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Tasga n Tutlayt d Yides n Tmaziyt

TAZRAWT N MASTER

Tyult n Tesnalmudt

Asentel

ASEMRES N TSENSEGMIT YETTIN DEG USELMED N TEGZI N TMENNA

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Asenmmer

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I twacult-iw merra.

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Agbur

Tazwert tamatut.....	9
Ixef amezwaru Tizri Aħric amezwaru: Tazmert n timawit deg uselmed.	15
Tazwert	16
1. Tasnalmudt n timawit.....	16
1.1. <i>Tabadut n timawit</i>	17
1.2. <i>Tigzi n timawit</i>	17
2. Adeg n tegzi n timawit deg tneyrit n tmaziyt.....	18
3. <i>Uguren n ulmad d uselmed n timawit</i>	19
4. <i>Tixutert n tegzi n timawit</i>	19
5. <i>Iswan n tegzi n tmenna ilmend n tefrayt tasnedwalt n tutlayt n tmaziyt</i> ...	20
6. Adeg n timawit akked unelmad deg tarrayin n uselmed	20
7. Kra n tarrayin tisensegmiyin turmidin.....	22
Taggrayt	24
Aħric wis sin: Tasensegmit yettin	25
Tazwert	26
1. Tabadut n tsensegmit yettin.....	26
2. Amezruy n tsensegmit yettin	28
2.1. <i>Imaylayen n tlalit n tsensegmit yettin</i>	29
3. Iswiren n tsensegmit yettin.....	32
4. <i>Amek i d-yettili usedru n temsirt s tsensegmit yettin?</i>	35
5. Assay yellan gar tmudemt n tsensegmit yettin akked temsartut n Bloom	36
5.1. <i>Aniwa i d Benjamin Bloom?</i>	36
5.2. <i>Tamsartut n Bloom</i>	36
5.3. <i>Imyagen n tigawt i d-yessumer B.Bloom deg temsartut-is</i> :.....	37
6. Seg temsertut n Bloom yer temsertut n Lorin Anderson akked David Krathwool	38
7. Udem amezwaru : ibayuren n tsensegmit yettin	40
8. Udem wis sin: Iewwiqen n tsensegmit yettin	41
9. Leqdicat yemmugen yef tsensegmit yettin	41

Taggrayt	43
Aħric wis krađ : Tasnarrayt	44
Tazwert	45
1. <i>Afran n unnar</i>	45
2. <i>Tallumt</i>	45
3. <i>Asissen n usatal n tsestant</i>	46
4. <i>Tifukas n ugmar n yinefkan</i>	46
4.1. <i>Imsteqsi</i>	46
4.2. <i>Adiwenni</i>	48
4.3. <i>Irim</i>	49
4.3 <i>Tannayt</i>	54
4.4 <i>Tasleđt n yinefkan n yimsteqsi</i>	55
4.5 <i>Tasleđt n yinefkan n tannayt</i>	55
4.6 <i>Tasleđt n yinefkan n udiwenni</i>	56
Taggrayt	56
Ixef wis sin Tasleđt n yinefkan.....	57
Tazwert n yixef	58
Aħric amazwarou :Tasleđt n yinefkan n yimsteqsi	59
Adeg n yizeđwan inmettiyen ħur yinelmaden.....	60
7. <i>Aseqdec n lantirnat deg ulmad</i>	67
Tasemlilt	71
Aħric wis sin :Tasleđt n yinefkan n udiwenni	72
Timuħliwin d wadduden n yinelmaden.....	73
Aħric wis kdađ :Tasleđt n yinefkan n yirim	83
Aħric wis ukuz: Tasleđt n yinefkan n tfelwit n tannayt	91
Taggrayt n yixef	102
Taggrayt tamatut	105
Iybula	107
TIJENTAD	114
tajenteđt 1: Amawal.....	122

tajęęęđt 2: Kra seg tririyin n yinelmaden.....	124
tajęęęđt 3: Tiririyin n yinelmaden yef yirim	134
Agzul	146

Tifelwiyin

Tafelwit uṭṭun 1 : Adeg n timawit d unelmad deg tarrayin n uselmed -----	21
Tafelwit uṭṭun 2 : Kra n tarrayin tisensegmiyin turmidin -----	23
Tafelwit uṭṭun 3 : Imyagen n tigawt ilmend n temsartut n Bloom -----	24
Tafelwit uṭṭun 4 : Leqdicat i d-yellan yef tsensegmit yettin -----	25
Tafelwit uṭṭun 5 :Tafelwit n tannayt -----	91
Tafelwit uṭṭun 6 : Tuḍḍa n tneyrit -----	93
Tafelwit uṭṭun 7 : Tikli n yinelmaden deg lawan n temsirt -----	95
Tafelwit uṭṭun 8 :Tigzi n warrat syur yinelmaden-----	100

Tugniwin

Tugna uṭṭun 1 : Aswir amezwaru n tsensegmit yettin -----	50
Tugna uṭṭun 2 : Aswir wis sin n tsensegmit yettin -----	51
Tugna uṭṭun 3 : Aswir wis kraḍ n tsensegmit yettin -----	51
Tugna uṭṭun 4 : Almad deg tarrayt taqburt akked tsensegmit yettin -----	55
Tugna uṭṭun 5 : Tamsertut n Bloom akked tin n Lorin Anderson d David Krathwool-----	55
Tugna tis 06 : Asidet n uwali n tbiḍyut.....	55.

Idlifen

Tafelwit uṭṭun 1 : Tafelwit ilmend n leemer d tuzzuft n yinelmaden -----	61
Adlif amezwaru : Timeseiwt n wallalen umḍinen -----	62
Adlif wis 2 : Asemres n wallalen umḍinen -----	62
Adlis wis 3 : Lantirnat dixel n wallalen d uxxam -----	64
Adlif wis 4 : Aswir n usemres n wallalen -----	64
Adlif wis 5 : Tansa taliktrunit -----	65
Adlif wis 6 : Afmiḍi n tmeseiwt n yizeḍwan inmettiyen -----	66
Adlif wis 7 : Timental n useqdec n yizeḍwan -----	67
Adlif wis 8 : Lantirnat deg ulmad -----	68

Tiririyin n yinelmaden yef yimsteqsi

Tiririt uṭṭun 1	124
Tiririt uṭṭun 2	125
Tiririt uṭṭun 3	126
Tiririt uṭṭun 4	127
Tiririt uṭṭun 5	128
Tiririt uṭṭun 6	129
Tiririt uṭṭun 7	130
Tiririt uṭṭun 8	131
Tiririt uṭṭun 9	132

Tiririyin n yinelmaden yef yirim

Tiririt uṭṭun 1	134
Tiririt uṭṭun 2	135
Tiririt uṭṭun 3	136
Tiririt uṭṭun 4	137
Tiririt uṭṭun 5	138
Tiririt uṭṭun 6	139
Tiririt uṭṭun 7	140
Tiririt uṭṭun 8	141
Tiririt uṭṭun 9	142
Tiririt uṭṭun 10	144
Tiririt uṭṭun 11	145

Tazwert tamatut

Tazwert tamatut

Akken tebyu tili tutlayt deg tegnit n ulmad d uselmed, tesra i ubeddel d usnulfu imezgi n tarrayin tisensegmiyin acku anelmad n tura ur yelli ara d anagbar-nni yettaččar uselmad zik s tmusniwin. Anelmad n tura itekki deg lebni n tmusniwin-is akked usileḡ-ines. Ḣef waya yessefk ad yerr uselmad azal ugar i unelmad akked wallalen isnalmudanen yesseqdac deg tneyrit .

Anadi Ḣef tfukas d tarrayin tismalmudanin ttawint yer usishel n ukala n ulmad rnu Ḣef waya d tiririt Ḣef wassaren n yinelmaden yettnernayen. Asekcem n wallalen atraren n teywalt (TICE) deg tneyrit, ladya allalen n wumḡin glan-d s tezrirt meqqren Ḣef tarrayin n uselmed deg waḡas n tangiwin. Ilmend n waya banen-d waḡas n yiberdan ara ḡefren yiselmaden deg tneyriyin-nsen.

Mtawan yimnadiyen i iqeddcen deg tezriyin tisensegmiyin Ḣef yiwen n umenzay agejdan deg ulmad: tikkin n unelmad deg lebni n tmusniwin-is d usnerni n tzemmar-ines s yiman-is. Ilmend n waya aḡas n yinadiyen i d-yellan deg unnar n tesnalmudt Ḣef usnulfu n tsensegmiyin ara yerren anelmad d asaḡ agejdan deg lebni n tmusniwin-is akken ad sifsusent akala n ulmad n yinelmaden, diḡ i kkatent ad snernint timegleyt-nsen. Gar tarrayin-a ad d-naf tasensegmit yettin neḡ tneyrit yettin, deg-s yettbeddil ukala n ulmad si tama, akken diḡ i ttbeddilent twuriwin n uselmad akked unelmad deg tneyrit .

Imi aql-aḡ deg tallit n wumḡin ideg tusnafkust tennerna aḡas, d tallit anida tisutwin i d-yetlalen ttafent-d iman-nsent seant assaḡ srid d wallalen n teywalt, amedya : imsiwel, azeḡḡa, lantirnat, aselkim, ..atg. Ihi Yewwi-d Ḣef yiselmaden ad d-fken udem amaynut i tneyrit akked talya n usiwed n tmusniwin.

Ad d-naf ddeqs n yimdanen i yesseqdacen allalen n TIC d iybula n tmusni deg waḡas n tayulin am tujjya, almad n wamek tturaren s wallalen n uḡawan, tisafarin n tenwalt, atg. Ma neqqim deg unnar n uselmed, ad d-nebder amedya n tezyint tadawsant yezrin i yuḡen amaḡal d tirni Covid-19, deg tallit-nni yerra-ten lḡal yinelmaden ad ḡebsen tayuri deg uḡerbaz. Maca akken ur d-yettili ara ugezzum gar yinelmaden d ulmad,aylif n usegmi akked uḡlif n uselmed unnig d unadi ussnan sumren-d tarrayt n «uselmed agemmaḡ» s ttawil n Zoom, elearning...atg.

Tagnit-nni teğğa atas n yimassanen i iqeddcen deg unnar n tesnalmudt d tsensegmit ad nadin yef tarrayin d tfukas i usifses n ukala n ulmad d uselmed s uzuzer n temsirin s ttawil n lantirnat d wallalen-nniđen, akken diy ad d- rren yef wuguren i d-ttmagaren yinelmaden.

Ma nserwes gar tarrayt tamensayt akked yinekmaaren isensegmiyen i d-yettnulfun ad d-naf yella-d ubeddel agejdan deg wayen yerzan assayen akked twuriwin n uselmad d unelmad. Annect-a iban-d deg ukerçdis asnalmudan i d-yesbedd Jean Houssaye, yessegza-d assay yellan gar unelmad, aselmad akked tmusni. Yur uselmad kan i tella tmusni ma d anelmad d arurmid yettawi kan timusniwin.

Yef waya i d-banent tsensegmiyin-nniđen yefkan tixutert ugar i twuri n unelmad deg tneyrit.

Ilmend n wazal seant tsensegmiyin timaynutin deg usatal ayurbiz, ladya d wassaren inmettiyen n tura, sumren-d yimasanen “tasensegmit yettin “, imi d tarrayt tamaynut i d-yeggaren allalen n teywalt d tesnafkust deg ulmad d uselmed n tutlayt. Adasil-is ney amenzay iyef tbedd “*Timsirin deg uxxam ma d iluyma deg tneyrit*”, s wawal-nniđen d abeddel n ukala n ulmad yettili s usufey n uħric n tezri berra i tneyrit ma d aħric n usnas yettili daxel n tneyrit annect-a yettawi yer tikkin n unelmad deg usbedded d lebni n tmusniwin -is rnu yer waya yettili leqdic imezdi gar yinelmaden i yesnernayen tifulment-nsen iwakken ad frun uguren i d-ttmagaren.

Iwakken ad negzu d acu d tarrayt-a, yewwi-d ad nefk isteqsiiyen-a:

- D acu-tt tsensegmit-a.
- Amek tezmer tfakust n tsensegmit yettin ad tettwasemres ney ad tessifses aselmed n tegzi n tmenna deg tneyrit n uswir wis krađ n tesnawit.

Amek yettili useđru n temsirt daxel n tsensegmit yettin.

- D acu-ten yigmađ iyer tessawed.
- Ma tbeddilent twuriwin n uselmad d unelmad deg tneyrit.

Ihi lwelha-nney deg tezrawt-a ad tezzi yef wamek ara nesseqdec tasensegmit yettin deg useđru n temisirt «Tigzi n tmenna» deg tneyrit n Tamaziyt. Yes-s nra ad nessidet ma nezmer ad tt-nesemres ney ala.

Ma nserwes-itt yer tarrayt tamensayt, deg tneggarut-a inelmaden ur seεεun ara lebyi ney timegleyt i ulmad mi ara tili temsirt yef tegzi n tmenna, acku tarrayt yesseqdac uselmad ur d-tejbaday ara lwelha-nsen. Dya d annect-a i ay-yeğğan ad d-nefk asteqsi-ya:

Amek tezmer tsensegmit yettin ad tekki deg usnerni n tezmert n tegzi n timawit yur yinelmaden n uswir wis krađ n tesnawit?

Seg ugnu-nney frurin-d yisteqsiyen-nniđen i d-yewwi ad ilin:

1. Ma yella nezmer ad nesselmed tigzi n tmenna s tsensegmit yettin deg tesnawit?
2. D acu-ten wadduden n yinelmaden yef tsensegmit yettin?
3. D acu-tt tezirt n tsensegmit yettin yef tegzi n timawit n yinelmaden?

Timental n ufran n usentel

Ataş n tmental i ay-yeğğan nefren asentel-a

Tamezwarut d aseqdec n unekmar asensegmi amaynut ara yilin d abrid i ubeddel n wudem n uselmed akked useđru n temsirt.

Tis snat, acku ur llin ara yinadiyen yef tsensegmit-a deg uselmed n tutlayt n tmaziyt.

Iswi agejdan n tezrawt-a d anadi yef :

- Asnekwu n tezirt n tsensegmit yettin yef usnerni n tezmert n tegzi n timawit yur yisnawiyen.
- Deg leqdic-nney nra ad nzer adduden n yinelmaden yef usekcem n wallalen n wumdin deg ulmad-aselmed n tutlayt n tmaziyt.

Iwakken ad d-nerr yef usteqsi-nney agejdan, nga tasestant-nney deg yiwet n tesnawit i d-yezgan deg temdint n Bgayet iwumi qqaren «**Imeyrasen Zennac**». Nseqdec deg ugmar n yinefkan tifukas-a: Imsteqsi, adiwenni, irim,tafelwit n tannayt.

Amahil-nney yebđa yef sin n yixfawen, ixef n tezri d tesnarrayt d yixef n tesleđt n yinefkan.

Ixef amenzu d ixef n tezri, yebđa yef krađ n yihricen. Deg uħric amezwaru, ad d-nesbadu tasnalmudt n timawit akked tezmert n tegzi n timawit d wadeg-ines deg uselmed akked yieewwiqen i d-ttmagaren yinelmaden d yiselmaden deg ulmad d uselmed-ines. Syin

akin, ad d-nawi awal yef wazal n temsirt n timawit deg tneyrit n tmaziyt akked yiswan-is ilmend n tefrayt tasnedwalt i seqdacen yiselmaden. Yer taggara ad d-nemmeslay yef wadeg n timawit deg tarrayin n uselmed. Ma d aḥric wis sin, ad yili yef uselmed s tsensegmit yettin, deg tazwara ad d-nemmeslay s wudem amatu yef tsensegmiyin i d-yellan send talalit n tsensegmit yettin, syin akin, ad nebder kra n tbadutin i as-yettunefken, amezruy-is, iswiren yellan deg-s akked wassay tesēa d temsertut n Bloom. Send ad nekfu aḥric-a, ad d-nebder leqdicat i d-yellan fell-as syin taggrayt n uḥric. Ma d aḥric wis kraḍ ad d-yawi yef tesnarrayt , tallumt d usatal akked usissen n tfukas i nesseqdec i ugmar n yinefkan syin taggrayt.

Ma d ixef wis sin yerza tasleḍt n yinefkan, yebḍa yef wukkuz n yiḥricen. Aḥric amezwaru d tasleḍt n yinefkan n yimsteqsi s wayes i d-negmer isallen yef wadeg n yiḍḍwan inmettiyen deg tudert taḥurbizt n yinelmaden, ma d aḥric wis sin d tasleḍt n yinefkan n udiwenni iwakken ad nzer tigensas n yinelmaden yef unekmar ara nesseqdec. Deg uḥric wis kraḍ ad d-naf tasleḍt n yirim iwakken ad nessidet tigzi n yinelmaden akked tezmert-nsen iwakken ad gen leqdic s tifulment war ma yella uselmad. Ma d aḥric wis ukkuz, ad d-naf tasleḍt n tfelwit n tannayt anida ad d- nesken aseḍru n temsirt d tikli n yinelmaden dixel n tneyrit.

Seld mi nekfa assisen n umahil d wamek ara d-tili tikli n leqdic-nney, ad neḍdi srid yer yixef n tezri.

Ixef amezwaru :

Tizri

Tazwert n yixef

Asentel-nney yewwi-d yef wamek i d-yettili useḍru n temsirt «Tigzi n temenna» s useqdec n tsensegmit yettin akked usidef n wallalen umḍinen d tesnafkust dixel n tneyrit n tmaziyt, atas n leqdicat i d-yellan yef usentel-a i nefren sentel-a, yef waya yessefk ad d-nessisen kra n tbadutin akked tmuyliwin tizrayanin d yiberdan i neḍfer iwakken ad d-negmer inefkan ara nesleḍ yer taggara.

Ixef n tezri d tesnarrayt yeddes yef kraḍ n yiḥricen. Deg uḥric amezwaru ad d-nemmeslay yef tesnalmudt n timawit, deg-s ad d-nessisen d acu i d timawit, asissen n tezmert n tegzi n timawit. Syin adeg n timawit deg tneyrit n tmaziyt akked wuguren n ulmad d uselmed-ines. Syin akin ad d-nebder tixutert-ines akked yiswan n uselmed-ines ilmend n tefrayt tasnedwalt i seqdacen yiselmaden. Send ad nekfu aḥric ad d-nawi awal yef wadeg n timawit akked unelmad deg kra n tarrayin n uselmed. Iwakken ad nekcem srid yer uḥric wis sin yewwi-d ad d-nawi awal s tewzel yef kra n tarrayin tisensegmiyin turmidin yellan.

Deg uḥric wis sin ad yili wawal yef tsensegmit yettin, ad tt-id nesbadu, amezruy-is akked yimaylayan n tlalit-is. Syin akin, iswiren yellan akked usegzi n wamek d-yettili useḍru n temsirt s useqdec-ines. Akken diḡ ad d-nemmeslay yef wassay-is akked temsartut n Bloom.. Ad d-nessegri s leqdicat yemmugen fell-as.

Deg uḥric wis kraḍ, ad d-naf tasnarrayt, deg-s ad d-nessisen annar ideg i d-negmer inefkan, imsulya, tifukas i nessemres i ugmar n yinefkan-a akked tarrayin n tesleḍt n wammud.

**Aḥric amezwaru: Tazmert n timawit
deg uselmed**

Tazwert

Sumata, tasnalmudt n tutlayin tettawi yer yiwen yiswi axatar d taywalt, iwakken ad awden yinelmaden yer yiswi-ya, tezwar yiwet n tewtilt tagejdant: d tigzi n warrat ney izen imesli, imi s wannect-nni ara izmiren yinelmaden ad d-rren yef yisteqsiyen yerzan arrat akken diy ad tili tnezzarirt gar-asen. Maca tuget n yiselmaden ttafen-d uguren, deg uselmed n tezmert-a. D annect-a i ay-yeğgan nefren tumant-a iwakken ad d-nemmeslay fell-as.

1. Tasnalmudt n timawit

Temmal-d aselmed n wayen yellan d imaw: d aħric n tmenna ney n tmesliwt ilmend n usegzawal n tesleđt n yinaw: «*D Tayult n uselmed n tutlayt yerzan aselmed n tulmisin n tutlayt timawit d ulmad-is s tirmad n tmesliwt d ufares i d-yettelin s warraten n tmesliwt, ma yella wamek d iħeqqaniyen*»¹.

Seg tbadut-a ad negzu, aselmed n timawit ibedd yef tmesliwt, tigzi d ufares n yiferdisen idlesmettiyen n unelmad.

I ulummez n tutlayt taberranit, yewwi-d yef unelmad ad yesnerni kkuzet n tzemmar: tazmert n tegzi n tira, afares s tira, tigzi n tmenna akked ufares ney asenfali s tmenna. Tazmert n tegzi n tmenna d yiwet n tizi taxatart yesean tamlilt deg ukala n ulmad n tutlayt taberranit acku iswi agejdan iyef ires uselmed-ines: d taywalt.

Iwakken ad yelmed unelmad tutlayt akken tebyu tili, yewwi-d seg tazwara ad yesnerni snat n tzemmar: tazmert n tira akked timawit i yettawin yer tnezzarirt gar yimsiwal. Deg tezrawt-nney d udem wis sin i ay-yecqan «Tigzi n timawit» acku d akettur amenzu gar yiketturen utlayanen yessawađen yer ulummez n tutlayt akken tebyu tili d tanyemmat ney d taberranit.

Timentelt i ay-yeğgan nefren udem-a d lixsas n tirmad akked wakud ur as-ttakken ara yiselmaden n tutlayt n tmaziyt imi anelmad send ad yekcem yer uyerbaz yuy lħal yettmeslay yakan tameslayt-is, yef waya ur tt-ilemmed ara am tira, d annect-a i d-tessegza **M,Rispail**

*« Le domaine de l'enseignement de la langue qui comporte l'enseignement des spécificités de la langue orale et son apprentissage au moyen d'activité d'écoute et de production, conduite à partir de textes sonores, si possible authentique ».

¹Charraudeau, P.&Maingnneau, D.2000, *Dictionnaire d'analyse du discours*, Paris.Asb 13.

«Alummez n timawit yettili deg usatal n twacult akked tmetti: aqcic mi ara yawed yer uyerbaz yessen yakan ad yemmeslay maca s umata ur yessin ad iyer ney ad yaru»*.²

Seg tebdert-a ad negzu tazmert n timawit ur telli am tin n tira, imi tazmert n tira tbedd yef yilugan i d-yewwi i unelmad ad ten- yelmed maca tazmert n timawit ur yesri ara ad tt-yelmed acku send ad yekcem yer uyerbaz netta s timmad-is yettmeslay tutlayt-is deg uxxam.

1.1. Tabadut n timawit

Uggtent tbadutin d tmuylwin yef timawit, ad d-nebder tin yellan deg usegzawal Hachette, yesbadu-tt-id akka:

« D asiwed ney d asenfali s yimi, s tayect, d tanmegla n tira ». *³

S wawal-nniđen, timawit d ameslay i d-yettefyen ney yettawden seg yigmamen n usiwel n umdan.

Ma yer Trendel (2008), timawit tesa azal meqqren deg usenfali d teywalt akked tnezzerirt d wiyad, deg usatal-a yenna-d: «Timawit d allal amezwaru n teywalt yettağğan ad ilin wassayen gar yimdanen, d allal n usenfali n tedmi d yihulfan». *⁴

S wakka ad negzu, timawit d tazmert yesseqdac umdan yal ass iwakken ad yessenfali tikiwin d yihulfan-is akken diy ad yeg assayen d wiyad s yiswi n teywalt.

1.2. Tigzi n timawit

Tigzi n timawit d aferdis agejdan deg ulmad n tutlayin, ladya mi ara yelmed unelmad tigit n umeslay deg tazwara n ulmad-ines tettekki yer unekmar n teywalt yettağğan anelmad ad yemmeslay. Ihi inelmaden lemden tutlayt s usemres-ines.

Tigzi n timawit yer Jean Pierre Cuq (2003): «D tazmert i d-yetlalen seg useqdec n ukala awessun i yettawin anelmad ad yegzu anamek n uđris i yessel». *⁵ . Nezmer ad d-negzu

*« L'acquisition de l'oral se fait en milieu socio-familial ouvert : L'enfant arrive à l'école sachant parler alors qu'il ne sait généralement ni lire ni écrire. ».

¹Halté, J.-F. & Rispaill.M,2005, *L'oral dans la classe. Compétences, enseignement, activités*, Paris, L'Harmattan,war Asbtr. .

*« Transmis ou exprimé par la bouche, la voix par opposition à écrit. ».

²HACHETTE,1995, *Dictionnaire HACHETTE encyclopédique*, Paris, Asbtr1346.

*« L'oral est défini comme un moyen privilégié de communication permettant la relation entre les individus, et comme un moyen d'expression de la pensée et des affects.».

³Trendel,2008, bdr syur Mahfou.Z & Belarbi,Fatine Meriem,2023, «L'évaluation De et Par l'oral en classe de langue étrangère à l'université »,deg *Pratiques et Didactique* ,Vol 01,uřun02,Isebtar.134-150.

seg tebdert-a, tazmert n tegzi n timawit d tarmudt yekkatén ad tessekcem ney ad tesnerni deg unelmad kra n tfukas ney n tzemmar am tmesliwt d tegzi n yizen ney n uđris imawi akken ad yaweđ yer tegzi tummidt n uđris yeyra ney iwumi yesla.

Iwakken ad d-yili uselmed iwatan n tezmert n tegzi n timawit, ur d-yewwi ara yef yiselmaden ad tteklen yef useqdec n tuyac-nsen kan deg teyzi n temsirt, maca yewwi-d usemres n wallalen d yisulal isnalmudanen yemgaraden deg tneyrit iwakken ad d-jebden lwelha n yinelmaden deg useđru n tmsirt.

Gar yisulal-a, ad d-nebder tabidyut, tizlit, tawwayt, adiwenni, atg. Imi aql-ađ deg tallit ideg tennerna tesnafkust akked wallalen umđinen d teywalt, asidef-nsen deg tneyriyin yewwi-d ad yili, acku inelmaden n tura d tasuta i d-yekkren deg umhaz-a atiknuluji, zgan qublen igdilen n yimsiwal akked yiselkimen-nsen. Akken i ten-seqđacen deg tudert-nsen n yal ass i zemren ad ten-sqđacen deg tudert-nsen tayurbizt ilmend n yibayuren-nsen. Ma nmuqel yer temlilt-nsen yef unelmad, ad ten-naf snernayen snat n tzemmar tigejdanin: tazmert n tegzi akked ufares. Seg tama-nniđen sean azal meqqren deg usaki n tmegleyt ęur unelmad akken diy i tteawanen deg ulmad n umawal amaynut.

Ma nmuqel yer uselmed n tezmert n timawit, ad t-naf yettili s tegzi akked ufares, maca mi ara nesserwes gar tira akked timawit, ad d-naf tarmudt n tegzi n tmenna, rran-tt yiselmaden deg rrif, ur as-fkin ara azal meqqren.

2. Adeg n tegzi n timawit deg tneyrit n tmaziyt

Deg uselmed n tutlayt n tmaziyt, tazmert n timawit ur tesei ara ađayer unnig ma nserwes-itt akked tirmad icudden yer tira, akken i d-nebder iwsawen, ttwalin-tt yiselmaden d tazmert i yukez yakan unelmad send ad yekcem yer uęerbaz, rnu yef waya ttmagaren-d atas n wuguren deg tneyrit, amedya aktazal n tezmert-a ur yeshil ara imi yal anelmad yesea anya n usenfali-ines, llan yinelmaden ur nęhemmel ara ad d-kkren iwakken ad meslayen sdat n yimdukkal-nsen, sebba n waya: lxuf,asetęi, ney ahat d ađęan(asqeqew).

Ugur-nniđen yerza akud, tuget n yiselmaden ur ttaken ara tignatin i yinelmaden ad meslayen ney ad senfalin tiktiwin-nsen akken byan acku ttwarzen yer wahil i d-yesbedd Uęlif

*« La compréhension est l'aptitude résultant de la mise en œuvre de processus cognitifs qui permet à l'apprenant d'accéder au sens d'un texte qu'il écoute. ».

¹Cuq J-P.,2003, *Dictionnaire de didactique du français, langue étrangère et seconde*, Paris, Ed Clé international, Astrb49.

n usegmi. Akken i d-nenna aselmed n tezmert n timawit ur yelli d ayen i isehlen ilmend n waṭas n tmental, gar-asent ad d-naf:

3. *Uguren n ulmad d uselmed n timawit*

Tamezwarut, timawit ur d-tettaġġa ara tamrirt i uktazal-is imi aseqdec-ines yesra i wallalen uzzigen akked wakud, rnu inelmaden mi ara ttmeslayen seg tagnit yer tayed yettbeddil yinaw-nsen ilmend n tedmi akked wanya n usenfali-nsen.

Tis snat timawit d tanekta tamadwant tuddist acku tuɛer i tannayt akked tesleḡt, Tin yur-s timawit tesdukkul akk igmamen n umdan imi afares s timawit yesra i taɣect akked yigmamen n usiwel, daymi ur nezmir ara ad nefreq gar-asen. Akken diy ad naf tuget n wayen yettwaxedmen d imahilen ney d tizrawin deg tesnalmudt wwin-d yef tira ugar n timawit.

Mi ara nmuqel yer yinelmaden deg temsirt n tegzi n tmenna, ad ten-naf ur ttmeslayen ara aṭas sdat n wiyad, acku llant tmental tigejdanin am uzyan d uɛayer ama yef tektiwin-nsen ney tameslayt s wayes-s ttmeslayen ney ilmend n umawal i seqdacen. Annect-a igellu-d s unqas n teflest deg yiman n yinelmaden. Seg tama-nniḡen ad d-naf ṣṣut d yisuyan yettilin deg tneyrit d aewwiq meqqren ur netteawan ara anelmad akken ad yili deg tagnit iwatan ad yemmeslay akken yebya. Ma yer tama n yiselmaden mtawan yef yiwet n tmuyli : d tarmudt ur nesei ara tixutert am temsirin-nniḡen acku d tazmert talegdisant i ttafen yinelmaden deg tangiwin merra, rnu yef waya d tarmudt yesran i useftek uzzig n tneyrit amedya ilaq yef yiselmaden ad seddun tamsirt deg tagnatin i ilaqen s tikci d usugget n tagnatin i yal anelmad ad yessenfali tiktiwin-is sdat n wiyad.

4. *Tixutert n tegzi n timawit*

Tazmert n tegzi n timawit d akettur agejdan deg ulummez d ulmad n tutlayin, rnu yef waya tettawi anelmad ad yaweḡ yer waṭas n yiswan, ama d isnilsanen ney d idlesmettiyen amedya :

Deg tazwara, tetteawan anelmad deg tneyrit iwakken ad yettef tizmilin ilmend n warrat i yesla i usnekwu d usufey n yisallen akked yiferdisen igejdanen yerzan asentel. Tis snat, tekkat ad tesnerni s usfari tifukas n tmesliwt deg unelmad iwakken ad yaweḡ yis-sent yer unamek usdid. Rnu yer waya, deg tagnit n tegzi n tmenna, anelmad yettissin amawal amaynut akked yittaftaren utlayanen yemgaraden. S tezmert-a ad yakez unelmad awalen isura akked yimesla yemgaraden.

Deg umahil-nney, nesseqdec tafraýt tasnedwalt d aybalu iwakken ad nzer iswan n uselmed n tezmert n timawit deg uswir wis krađ n tesnawit.

5. *Iswan n tegzi n tmenna ilmend n tefraýt tasnedwalt n tutlayt n tmaziýt*

Akken nezra,ilmend n termit-nney yakan deg uakala n ulmad ladya deg tanga n tutlayt n tmaziýt tuget n yiselmeden deg yiswiren yemgaraden, ladya deg uyerbaz alemmas akked tesnawiyin, ur ttafaren ara ayen yellan deg yidlisfusen, maca teddun s yiwen n warrat i d-yessebdad Uylif n usegmi deg tazwara n yal aseggas iwumi qqaren “Tifarayin tisnedwalin”. Deg tazwara n yal aseggas ayurbiz, yessefk yef yal aselmad ad tent-iyer akked umnir i tent-yettafaren acku deg-s tettili tudssa n umahil akked yigburen ara slemden yiselmeden deg teyzi n useggas ayurbiz. Sumata idlisfusen n tesnawit ddsen yef tegrumma n yisenfaren akked tgezmin, ahil n uswir wis krađ yeddes yef ukkuż n yisenfaren, yal asenfar yebđa yef wukkuż n tgezmin anida yal tagzemt tebđa d tirmad.

Tigzit n timawit d tarmudt yettilin deg tazwara n yal asenfar, tettawi yer kra n yiswan i d-yewwi yef unelmad ad ten-yaweđ, iswan-a i d-nebder, nufa-ten deg tefraýt tasnedwalt n uswir wis krađ deg tesnawit , rzan tasekka n uđris imsegzi amazray(aqbur) :

- Ad d-ifares unelmad s tmenna ney s tira, iđrisen imsegziyen ilmend n tegnit n teywalt ideg yella
- Ad yegzu anamek n usalel iwumi ara isel ney ara izer.
- Ad yegzu ađris, ad as-yeg tasemlilt ney agzul.
- Ad d-yessegzu kra deg umezruy iwakken ad d-yefk isalan yef tallit taqburt.

6. *Adeg n timawit akked unelmad deg tarrayin n uselmed*

Deg umezruy n tarrayin n uselmed, ad d-naf uggten yiberdan n usiley akked tmuyliwin yef wadeg i tessa tezmert n timawit ilmend n usatal akked yilmaylayan yellan deg yal tallit. S tezrawin d yinadiyen iyer ssawđen yimusnawen d userwes i gan gar tsensegmiyin, ufan-d yal yiwet amek i tettwali tawuri n unelmad deg tneyrit. Ihi deg tfelwit i d-iteddun, ad neeređ ad nessegzi annect-a s tewzel.

Tafelwit uṭṭun 1: Adeg n timawit d unelmad deg tarrayin n uselmed⁶

Tarrayt	Tarusridt	Tusridt	Timsefledt-timawit
Aseggas	Tasut tis 17	1901-1960	1950
Adeg n timawit	Ulac-itt	Tefka-yas azal meqqren.	Timawit tezwar kra yellan.
Tulmisiin n tarrayt	<p>-Tefka azal i tira d tyuri n yidrisen iseklanan.</p> <p>-Yer uselmad kan i tella tmusni, yesea adabu.</p> <p>-Netta ara ifernen idrisen d yisteqsiyen yef tegzi n uḍris.</p> <p>-Anelmad ad yeččar allay-is s tmusniwin.</p> <p>-Ad yehfed umuy n wawalen, ad yeskatu ilugan n tjerrumt d wayen yelmed yur uselmad.</p> <p>Allalen n uselmed: idrisen n tsekla</p> <p>-Agul yettwagdel.</p>	<p>-Yur-s tutlayt d allal n teywalt d asmi tefka azal meqqren i timawit.</p> <p>-Tebna yef tnezzarirt gar uselmad d unelmad.</p> <p>-Deg tegnit n ulmad tesdukkul gar talya, tayawsa,tugna d unamek.</p> <p>-Yettwagdel useqdec n tutlayt tanyemmat.</p> <p>-Yessefk yef unelmad ad itekki deg ulmad-is, ad d-yerr yef yisteqsiyen.</p> <p>-Aselmad isedduy tineyrit maca yettağğa tagnit i unelmad ad d-yesteqsi.</p> <p>-Tirmad yettwasqedcen: askasi,asteqsi/tiririt iluyma n usmad,tanfalit.</p>	<p>-Tbedd yef snat n tezriyin (tasnilsant d tesnimant n ulmad).</p> <p>-Iswi-ines d taywalt s tutlayt taberranit.</p> <p>-Terra azal i tyessa n tefyar akked unagraw n tjerrumt.</p> <p>-D aselmad ad d-yessumren inaw ney tifyar.</p> <p>-Inelmaden ad ttalsen i yinnan n uselmad deg ugraw syin yal wa iman-is.</p> <p>-Almad yettili s uḥfaḍ d wallus n yiluyma n tyessa iwakken ad ressint tmusniwin deg wallayen n yinelmaden.</p> <p>-Aselmed n temsislit d tesnimeslit.</p> <p>-Aseqdec n tirmad n tmesliwt d tegzi.</p> <p>-Asenfali s timawit.</p> <p>-Tawuri n uselmad d asewjed n yiswan n temsirin d yiluyma.</p> <p>-Agul yettwagdel.</p>

¹ <https://souad-kassim-mhamed.blog4ever.com/chapitre-2-place-et-fonctions-de-l'orale-dans-les-differents-courants-methodologiques>.

T.taslizrit	Anekmar n teywalt	Anekmar s tzemmar	Tasensegmit s usenfar
1960-1970	1980	1990	1859-1952
Timawit tella deg tneyrit	Timawit tella s waṭas deg tneyrit	Tesea adeg deg tneyrit	Tesea azal deg tneyrit.
<p>-Tesmenyaf ugar timawit yef tira</p> <p>-Tesdukkul gar tugna d ssut deg lebni n temsirin.</p> <p>-Anelmad d urmid ,yettmeslay s tlelli.</p> <p>-Timawit d adda n ulmad n tutlayt taberranit.</p> <p>Tesra atas n wallalen (asekles, isaramen...atg)</p>	<p>-Terra anelmad daxel n tegnit n teywal</p> <p>-Tutlayyt d allal n teywalt.</p> <p>-Aseqdec n warraten iħeqqaniyen.</p> <p>-Tanezzarirt gar yinelmaden d leqdic deg ugraw.</p> <p>-Abeddel n waddud n uselmad d tarrayt n uselmed-ines(iluyma n usnullfu ,urar).</p> <p>-Aselmad d imwelleh, yettak tagnit i yinelmaden ad senfalin.</p>	<p>-D tarrayt n uselmed yeggaren inelmaden deg tegnatin n wugur.</p> <p>-Anelmad ur yettaċâr ara aqerruy-is s tmusniwin maca yewwi-d ad izer iswi n yal tayawsa</p> <p>-Alma yettili s waṭas n wudmawen: leqdic deg ugraw,anadi,tisestanin.</p> <p>-Yewwi-d yef unelmad agmar n yisallen wa ad yesseqdec tifukas n udadi timaynutin.</p> <p>-Yewwi-d yef uselmad ad yili d amnir i yinelmaden-is</p> <p>-Ad izer tizemmar n yinelmaden-is</p> <p>D aselmad ara yessuddsen tamsirt d tirmad, ara yeslalen lebyi yur unelmad</p>	<p>-D anekmar asensegmi urmid.</p> <p>-Tesnernay timegleyt yur yinelmaden.</p> <p>-Almad yettili s tigawt.</p> <p>-Tesmenyaf leqdic imezdi.</p> <p>-Anelmad itekki deg lebni n tmusniwin-is s tallelt n wiyad.</p> <p>-Anelmad yettak anamek i ulmad-ines.</p> <p>-Aselmad d abdammas (médiateur)gar unelmad d tmusni.</p> <p>Yer taggara inelmaden sbeddaden asenfar.</p>

7. Kra n tarrayin tisensegmiyin turmidin

Segmi id-nesnekwa azal i fkant tarrayin n uselmed i tezmert n timawit d wadeg n unelmad, deg wayen i d-iteddun, ad d-nemmeslay yef kra n tarrayin turmidin yellan deg unnar

n tesnalmudt imi asentel agejdan n tezrawt-nney yewwi-d yef yiwet n tarrayt seg tarrayin-a turmidin iwumi qqaren “tasensegmit yettin”⁷

Tafelwit uṭṭun 2 : Kra n tarrayin tisensegmiyin turmidin

Tisensegmiyin turmidin	Melmi/anwa i tt-isbedden	Tulmisin-is
Montessori	1907, Maria Montessori	-Almad s wurar. -Aselmad d imwlleh. -Terza arrac imezyanen n tmegrudt.
Celestin Freinet	Tazwara n tasut tis 20	- Adasil-is: d tirit -Asnerni n lebyi n unadi yer yinelmaden -Aselmad d imwelleh ur yeei adabu -Xas ad yecceḍ unelmad -Asegley n yinelmaden -Anyan n ulmad asniman -Tilelli deg ufran n yisental d leqdicat -Yettwagdel uemres n tezmilin d usugget n yiskazalen.
Tineyrit yettin	1991, Eric Mazur	-Aeiwed n tmuyli i ukala n ulmad (tizri deg uxxam, asnas deg tneyrit) -Abeddel deg twuriwin n uselmad d unelmad. -Agbur n temsirt yettili s talya n tbiyut. -Asidef n wallalen TICE d wallalen umḍinen deg tneyrit. -Tuddsa timezdit n tneyrit -Leqdic deg ugraw -Xas ad yecceḍ unelmad.

¹ <https://monenfance.fr/montessori-freinet-difference/> Pédagogie Montessori et Freinet : quelles différences ? (monenfance.fr).

² <https://cpu.montreal.ca/enseignement-apprentissage/prestation-cours/classe-inversee/>

Taggrayt n uḥric

Send ad nelmed kra n tutlayt, yewwi-d ad nerr lwelha-nney yer tezmert n timawit acku d adda n ulmad n tutlayt i yebyu tili.

Ihi deg uḥric-a, newwi-d awal yef tesnalmudt n timawit s wudem amatu akked kra n tbadutin yettunefken i timawit d tegzi n timawit, syin akin nerra lwelha yer wadeg n timawit deg tneyrit n tmaziyt akked yiɛewwiqen i d-ttmagaren yiselmaden d yinelmaden deg ulmad-aselmed-ines. Iswi n uḥric-a d asnekwu n tilawt d yiɛewwiqen i d-yettilin deg uselmed n tegzi n timawit, iwakken ad nadin yiselmaden ney ad beddlen allalen isnalmudanen i seqdacen deg tneyrit iwakken ad seglin inelmaden-nsen ugar.

Yer taggara, newwi-d awal yef wadeg n timawit akked unelmad deg tarrayin n uselmed.

Ahṛic wis sin:
Tasensegmit yettin

Tazwert

Ugtent tarrayin n uselmed akked yiberdan n usiley, acku yal tarrayt tettefnay ilmend n yiswan-is seg tallit yer tayed. Asemres n tarrayin n uselmed tatarin yeqqen srid d wassarren n yinelmeden yettnefnayen seg tsuta yer tayed, dya yewwi-d yef yiselmeden axemmem yef tsensegmiyin ara ten-yallen deg useđru n temsirin-nsen. Ilmend n wuguren i d-ttmagaren yiselmeden akked yinelmeden deg temsirt n tegzi n tmenna, nsumer-d tarrayt n tsensegmit yettin. **Dacu-tt tsensegmit yettin ?**

1. Tabadut n tsensegmit yettin

D yiwet n tsensegmit turmid, d anekmar asensegmi i ibedden yef umenzay axatar : asedren n tirmad n ulmad. Aneggaru-ya yebda yef snat n tagnatin : tagnit tamezwarut : ad waln yinelmeden timsirin deg uxxam send ad rzun yer tneyrit (asatal azrayan) ma d tagnit tis snat, deg tneyrit ad yili wakud i usegzi s telqey akked yiluyma s tallelt n uselmad akked leqdic deg ugraw (asatal n usnas). Iswi n useđren-a iwakken ad rebhen yiselmeden akud ara seftin deg yiluyma d usegzi n tmiđranin i icudden yer temsirt akked usnemi n tmasit yur yinelmeden deg lebni n tmusniwin-nsen.

Deg tneyrit yettin s umata agbur n temsirin yetteli s talya n tbiđyut ara waln yinelmeden berra i tneyrit akken ara xedmen tirmad n uswir adday ma d akud n tneyrit yetteli i tirmad tuddisin s talya n yiluyma,askasi d yisenfaren-nniđen.

Tasensegmit yettin, deg wawal-is yakan d abeddel ney d asedren n wudem n ulmad i ibedden yef yiwen umenzay « *Tiyuriwin deg uxxam ma d iluyma deg tneyrit.* »*¹

S urnamek-nniđen, tetteli d tagnit i yinelmeden ad lemnden timusniwin s yiman-nsen deg uxxam s tyuriwin akked unadi yef tmiđranin yerzan tamsirt, ma deg tneyrit ad yili wakud i tuttriwin-nsen yef tnektiwin ur gzin ara.

S talya n uselmed-a, inelmeden ttuyalen d ikfawlen deg teyzi n usiley-nsen acku ur ttkalayan ara kan yef wayen i asen-d yettak uselmad deg tneyrit yerna akud ara yettunefken deg tneyrit ad yili uselmad yer tama-nsen ad ten-ieiwen deg ferru n wuguren n tegzi. S wakka inelmeden lemnden s tmellit.

*« Lectures at home and home work in class. ».

¹Bergman J & Sams.A., deg « Technologie de l'éducation, Les éditions Reynald Goulet INC.

Tarrayt n tsensegmit yettin tuy akk timura n umađal ladya deg tmurt n Fransa, acku ad d-naf ađas n yimasanen n tesnalmudt i d-yemmeslayan yef tarrayt-a, amedya **Marie Soulié** yuran adlis s uzwel « *Enseigner en classe inversée mon compagnon quotidien pour faire cours autrement* » 2022, d taeggalt n tdukkla « **Inversons les classes** ».

Ad d-naf diyen amsegmi Marcel **Lebrun** yesea tamliit meqqren deg uzuzer n tarrayt-a deg tmurt n Fransa imi d aselmad asdawan mucaeen s yimagraden-is usnanen akked udlis i yura yef tsensegmit yettin d netta i d amezwaru i yessunzan tarrayt-a deg tmurt n Fransa s tezrawin-is d leqdicat-is yerzan tarrayt-a, gar-asen tira n udlis usnan akked **Julie Lecoq** iwumi qqaren: « *Classes inversées, enseigner et apprendre à l'endroit* ».

Marcel Lebrun yettwali tarrayt-a s wađas n tmuyliwin akken i d-yenna deg usatal-a :

« *Tasensegmit yettin ur telli d tafakust maca d tagrumma n tfukas n uselmed i d-yuyen tadra seg tsensegmiyin yemgaraden, amedya : tasensegmit n usenfar, n wuguren, almad s unadi . Tasensegmit yettin ur telli ara d tarrayt diyen acku tesra i wađas n tarrayin d yiberdan deg usbedded -ines. S wawal-nniđen smenyifey ad d-iniy d addud n tedmi ideg iselmaden ur steqsayen ara iman-nsen d acu ara slemden deg temsirt i d-iteddun maca d acu ara xedmen yinelmaden-nsen. Deg tegnit-a i yettbin useđren n talya n uselmed, imi nefka azal i unelmad ugar n uselmad* »*¹ .

Seg tebdert-a ad d-negzu tasensegmit yettin ur telli d yiwet n tarrayt kan imi tcudd rnu tuy-d iđuran seg wađas n tarrayin tismalmudanin-nniđen.

Deg yiwet n tebdert **H.Dufour** (2014:44), yiwet n taeggalt n tdukkla “*renversons les classes*” i iqeddcen yef usnerni d tnezwit n tsensegmit yettin tesbadu-tt-id akka «*Taneyrit yettin , d tikci n umahil ara yettwaxedmen deg uxxam s tifulment, ad yili s talya n tirmad i isehlen , ma deg tneyrit ad yttunefk wakud ugar i tirmad n uswir unnig s usluymu n*

* « ...Cela me fait dire que la classe inversée n'est certainement pas une technique mais un ensemble de techniques qui nous viennent de : la pédagogie du projet, la pédagogie des problèmes, pédagogie de l'apprentissage par la recherche. Est-ce que c'est une méthode, je ne pense pas non plus paracerque dorénavant les classes inversées font appel à plusieurs méthodes. J'ai envie de dire un état d'esprit, qui se résume à moins qu'est-ce que je vais enseigner dans mon prochain cours, que qu'est-ce que mes élèves vont faire, ça n'a l'air de rien mais c'est la grande inversion. On n'est plus centré sur l'enseignant mais d'avantage centré sur l'apprenant. »

¹<https://www.youtube.com,Classe-inversee-une-methode-une-strategie-MARCEL-LEBRUN>.

yinelmaden d leqdic deg ugraw. Iswi n leqdic-a d tirit n unelmad d urmid, netta ara yebnun timusniwin-is. »*¹

Seg tebdert-a ad d-negzu asedru n temsirt yebda yef snat n tizza, tamezwarut d lxedma n yiluyma n uswir adday deg uxxam iwakken anelmad ad yay tannumi n unadi ur yettkalay ara kan yef tmusniwin n uselmad. Ma d tizi tis snat tettili deg tneyrit s usluymu n yinelmaden yef tirmad tuddisin, iwakken ad yuyal unelmad d asad agejdan deg lebni n tmusniwin-is.

Deg udlis i uran M.Lebrun akked J.Lecoq uggent tbadutin i d-fkan yef tsensegmit yettin, dya nefren-d yiwet i d-yeskanayen tamlilt-ines deg ukala n ulmad . Nnan-d : «*D tneyrit anida ttilin yinabayen ma uɗnen ney sean tirmad yeffyen i uyerbaz, amedya inaddalen, tirza tdelsanin , ur ttwaæzlen ara yef temsirin-nsen , imi ad tent-afen ttwaskelsent deg tbdyutin i zemren ad walin melmi byan deg watas n teginatin:ama deg usewjed n temsirin ney i yikayaden*»². Deg usatal-a ad d-negzu ur yelli ara ugezzum n tyuri i yinelmaden yuɗnen ney yesean timsizzlin ma llan d inaddalen , acku terra azal i taggayt-a s usekles n ugbur n temsirin s talya n tbdyutin ara walin ney ad alsen timesliwt açal n tikkal i byan.

2. Amezruy n tsensegmit yettin

Tanekta n tsensegmit yettin tlul-d i tikkelt tamezwarut deg tmurt n « Yiylan yedukken », deg useggas n 1920, amenzu i tt-ismersen d **Rockburn**, netta i d amsider-is amezwaru. Armi d aseggas n 1968-1970 iban-d umusnaw iwumi qqaren **Benjamin Bloom** s yiwen n leqdic usnan iwumi yefka isem :

« **Taxonomie de Bloom** », deg-s yeered ad yefk udem amaynut i ukala n ulmad-aselmed deg tneyrit s usnulfu n temsartut yellan s talya n usismel n yiswan isensegmiyen.

Seg yimir leqdicat usnanen nnernan ugar banen-d wiyad amedya amahil yexdem uselmad n takrura **Eric Mazur** deg tesdawit n Marikan s usebedded n tmudemt tasensegmit tatrart: Almad s tallelt n wiyad «**Peer instructions** ».

* « ...La classe inversée c'est donner à faire à la maison, en autonomie, les activités de bas niveau cognitif pour privilégier le travail collaboratif et les tâches d'apprentissage de haut niveau cognitif. L'objectif est de recentrer l'apprentissage autour de l'élève ».

¹Dufour Héloïse.,2014, « La classe inversée », deg *Technologie*, vol 193, uɗun 45, Sbr:44-47

* « Une classe dans laquelle les élèves qui sont absents pour cause de maladie ou activités extracurriculaires ne sont pas laissés en arrière ».

²M.Lebrun & J. Lecoq,2015, *Classes inversées enseigner et apprendre à l'endroit*, Canopé editions.Asb17.

Ma deg useggas n 2006 nnernan ugar wallalen n teywalt nnulfan-d wid ara yallen ugar tasensegmit yettin ladya islizranen, amedya :tabidyut, acku deg useggas-nni iban-d yiwen n uselmad n tusnakt **Khan Salman** s yiwen n usenfar deg **Youtube**, yefka-yas isem **Salman Academy** d tiyeryert i uzuzer n temsirin. Yezri useggas, banen-d sin n yiselmaden-nniđen n takrura deg tmurt n Marikan **Johnathan Bergman** d **Aaron Sams**,sqedcen tibidyutin ideg llan yigburen n temsirin akked tirmad ara xedmen yinelmaden.

Talalit n tsensegmit-a tuy akk timura acku yur yiselmaden d anaw n uselmed atrar, annect-a segzant-t- id sin n yiselmaden isdawanen n tmurt n Kanada, Bissonnette d Gauthier deg umagrad-nsen: « *Akeččum s lǧehd n wayen d-nemmal s tefransist. S tenfaliyin-a « almad yettin, ney tneyrit yettin ney tasensegmit yettin, d tiffin tamaynut yeddand wakud akken i tt-id yesnekwa Roberge(2012).*»¹

2.1. Imaylayen n tlalit n tsensegmit yettin

Tban-d tsensegmit yettin i tikkelt tamezwarut s wudem usnan deg useggas n 1991 deg Tesdawit n Harvard, tuy-d tadra seg wahil i yesbedded yiwen n uselmad asdawan **Eric Mazur** isemma-yas « **Peer instructions** », tusa-yas-d tekti-ya asmi yeyra yiwen n umagrad usnan i yura David Hestenes ireşşan igmađ-is yef yiwen n yirim i yexdem i yinelmaden-ines. Aneggaru-ya yettwali inelmaden ur lemdegen deg tneyrit acku tteklen kan yef tmusniwin n uselmad rnu heffden-tent iwakken mi d-yehder ukayad ad alsen i tmusniwin-nni i asen-d-yefka uselmad war ma gzan tamsirt akken iwata.

Deg useggas n 1997 Eric Mazur yesbedd yiwen n usenfar iwakken ad yessidet turda n David Hestenes, mi yufa d tidet inelmaden ttwaqqnen kan yer temsirin n uselmad, ur seeun tilelli i usnulfu, dya yeeređ ad ibeddel akala n ulmad. Yessuter i yinelmaden-is ad yren tamsirt deg uxxam iwakken ad tt-id swejden ma d iluyma deg tneyrit. Ad d-naf sin yiswan igejdanen deg umahil-a, amezwaru d tikci n wazal i leqdic deg ugraw d usqerdec n tmidranin yueren send anekcum yer tneyrit iwakken akud d-yeqqimen ad yettunefk i usegzi s telqey d usnas s yiluyma. S usenfar-agi Eric Mazur yessawed ad yessenzu inelmaden-is deg tneyrit yettin ttifiren ugar s yigmađ-nsen yef yinelmaden yettafaren timsirin-nsen s tarrayt taqburt yerna ur

*« L'arrivée en force de ce que l'on désigne en français par les expressions « apprentissage inversé », « classe inversée » ou « pédagogie inversée » représente la dernière trouvaille à la mode comme l'indique Roberge (2012) ».

¹Bissonnette & Gauthier.C,2012, « Faire la classe à l'endroit ou à l'envers ?» deg *Formation et profession* n°1,vol 20, Issbtr 23-26.

yelli i d-yessegzayen tikta ugar am wasma ara yeeređ unelmad ad tent-yessegzi i wiyad acku deg tegnit-nni i ttrešint tmusniwin deg wallayen. S umata amahil-a ibedd yef tnezzarit gar yinelmaden d uselmad acku aselmad yettak-d isteqsijen iwakken ad ten-sqerdcen way gar-asen yinelmaden akken diğ i tettili tnezzarit gar yinelmaden. Ma d iswi wis sin, d tuffya seg talya tamensayt n uselmed s usidef n wallalen isensgmiyen d tfukas dixel n tneyrit i usefti n wakud d usifses n tegzi n tmiđranin yerzan tamsirt. S wakka yefka-yas i usenfar-a isem n tsensegmit yettin.

Deg useggas n 2000 yeffey-d umagrad usnan i d-yessegzayen s telqey imenzayen igejdanen iyef tbedd tesnarrayt-a tamaynut deg unnar n tesnalmudt gar-asen d abeddel n ukala uselmed acku deg tarrayin timensayin akud deg tneyrit yettiti deg-s tezri akked usnas, maca tarrayt i d-yesbedd Eric Mazur tettbeddil akala n uselmed-almad tefreq gar tezri deg uxxam, ma d asnas deg tneyrit. Syin akin yufrar-d Khan Salman s leqdicat-is yef tsensegmit yetti. Almi d aseggas n 2007 i d-teflali ugar tarrayt-a deg tmurt n Marikan s yisem «*Flepped classroom*» syur sin yiselmaden isdawanen n takrura Jonathan Bergman d Aaron Sams d imenza i d-yesumren tarray-a deg tesnawiyin, ineggura-ya gran tixutert n useqdec n power point, tibidyutin, podcast i useđru n temsirin s yisem n tsensegmit yettin, iswi n waya d tallelt n yinelmaden ur neħdir ara timsirin deg tneyrit dya yezmer ad asent-yales timezriwt deg uxxam ad iheyi iman-is akken iwata send ad yaweđ yer tneyrit, annect- a segzan-t-id M.Lebrun akked J.Lecoq «*D tneyrit anida ttilin yinabayen ma uđnen ney sean tirmad yeffyen i uyerbaz amedya inaddalen, tirza tdelsanin; ur ttwaæezlen ara yef temsirin-nsen , imi ad tent-afen ttwaskelsent deg tbidyutin ara walın melmi byan deg wađas n tegratin:ama deg usewjed n temsirin ney i yikayaden.*» ^{*1}

S useqdec n wallalen-a gren tamawt yer tezmilin n yinelmaden ttgerrizent ugar imi akud deg tneyrit yettunefk s wađas i usnas. Ilmend n tamiwin-a bđan asnulfu d usekles n tbidyutin s usekcem n ugbur ara lemdeñ yinelmaden ladya wid izeglen timsirin sebba n wađtan ney tirmad yeffyen i uyerbaz.

Akken i d-nebder d asawen, tasensegmit yettin tuy amađal d tirni acku ađas n leqdicat i d-yellan fell-as, amedya deg tmurt n Lhend ad d-naf yiwen umsegmi yeyran tusnakt akked

*« Une classe dans laquelle les élèves qui sont absents pour cause de maladie ou activités extracurriculaires (pour des sportifs, sortie éducatives) ne sont pas laissés en arrière ».

¹Lebrun.M ,2015, bdr ya ,sb 17.

tsenselkimt isem-is Khan Salman, tusa-yas-d tekti i uzuzer n tarrayt-a n uselmed asmi yella yesyaray yiwet n teeggalt seg twacult-is yesəan uguren deg tusnakt.

Deg tazwara timsirin llant-d s umacqaq s ttawil n umsiwel acku yebeed wanida tezdey, syin akin yesseqdec Khan Salman « Yahoo Messenger » iwakken ad isuney tinektiwin d tigma s wudem akmam. Ma deg tagnatin anida ur zmiren ara ad msawalen. Khan Salman yesseklas timsirin s talya n tibidyutin deg-s yettili ugbur n temsirt akked tayect-is iwakken ad yessegzi . Deg tazwara leqdic yewwi-d igemaḍ yelhan maca yiwet n tikkelt tenna-yas teeggalt-nni d akken ur tthemmel ara mi ara d-yessegzay s ttawil n umsiwel imi ur yettawed ara yizen akken ilaq yerna ur tezmir ara ad tales timezriwt i tikkelt-nniḍen i tmiḍranin yerzan tamsirt dya tesmenyaf ad yili usegzi s talya n tbiidyutin akken ara sent-tales timezriwt aḥal n tikkal i tebya, tezmer ad tessejel anya n tbiidyut ma tegza timiḍranin i icudden yer temsirt , akken diy i tezmer ad as-tessenqes wa ad tuyal yer deffir ma yella ur tessawed ara ad tegzu Khan Salman yules tuddsa n leqdic ilmend n wanya n ulmad-ines akken ur d-as-tessutur ara tallelt-ines yal mi ara d-taf uguren. Dya deg usatal-a yenna-d:«*Aniwa akud akk ur nelhi asmi ara nelmed kra , d akud mi ara ad ibded albēed nnig n tuyat-nwen ad yesteqsay ma tegzam.*»¹

Seg termit-nni yexdem Khan Salman,deg useggas n 2008 isbedd-d yiwen usenfar-nniḍen d tidukkla war tadrimt s ttawil Youtube **Khan Academy** izuzer deg-s tibidyutin s wayes-s ara yesselmed igburen n tangiwin yemgaraden . Iswi n leqdic d aselmed sari d usishel n ukeččum i yinelmaden yellan deg ukkuḥ n tyemmar n umaḍal mebla lexlas. Asmi yezuzer tabidyut tamezwarut, ddeqs n yinelmaden i yettafaren tisingilin-is yerna teḡeb-asen, annect-a iban-d deg yiwenniten i d-ttaḡḡan yinelmaden seddaw n tbiidyutin-nni.

S wakka tasensegmit yettin tebda tkeččem deg waṭas n yiherbazen ama di Fransa, Kanada akked tmurt n Lalman anida tsensegit-a tettwassen s yisem «**Offner Unterricht**», d aselmad amsegmi n tusnakt iwumi qqaren Falko Peschel i tt-yezzuzren. Yur-s tarrayt-a tbedd

*« Le pire moment pour apprendre quelque chose, c'est quand quelqu'un se tient au-dessus de votre épaule et vous demande si vous avez compris ».

¹[https://fr.wikipedia.org/wiki/Salman_Khan\(éducateur\)](https://fr.wikipedia.org/wiki/Salman_Khan(éducateur)).

yef kra n yimenzayen isnarrayanen am tuddsa n umahil d ferru n wuguren, anadi amsiman i ittekkim deg usnemi n tifulment yur unelmad.

S useqdec n unekmar-a asensegmi, yessawed ad d-yesken kra n tulmisin-is tigejdanin¹:

- Tesea azal meqqren deg tuddsa n umahil.
- D yiwen ubrid gar yiberdan isnarayanan yettaran anelmad d asađ deg lebni n tmusniwin-is.
- Tessiğhid ugar assayen gar uselmad d unelmad.
- Terra azal i wassayen inmettiyen d tewtilin n umahil.

Akken i d-nenna deg tazwara atas n yimassanen i iqedcen deg uzuzer n tarrayt-a n uselmed, gar-asen ad d-nebder Marcel Lebrun. Ilmend n yinadiyen akked tzrawin iyer yessawed yufa-d d akken ur yelli ara kan yiwen n uswir n tsensegmit yettin maca llan krađ n yiswiren: ²

Deg wayen ad d-iđfren ad d-nessisen yal yiwen deg-sen.

3. Iswiren n tsensegmit yettin

Aswir amezwaru: Tizri syin akin asnas

Aswir-a yebđa yef snat n tagnatin: Tizri d usnas.

Tagnit tamezwarut: d aħric n tezri yettili umahil berra i tneyrit s umacqaq, s useqdec n wařas n tfukas amedya : tayuri n yiđrisen ney kra n yisebtar n udlisfus , timezriwt n tbiđyut iwakken ad seun yinelmaden tiki yef ugbur n temsirt d wayen i ten-yettrağun . D aħric n usufey n tmusniwin berra i tneyrit s useqdec n wallalen umđinen.

*«Ouverture organisationnelle : règlement des conditions générales, un dispositif d'apprentissage qui met l'étudiant en avant, gestion des rapports sociaux.».

¹Waalaa Mahmoud Mohamed Ibrahim,2018, « Effet de la stratégie de l'enseignement inverse sur le développement des compétences de l'expression orale en FLE chez les étudiants du cycle secondaire aux écoles de langues. », deg مجلة كلية التربية بالمنصورة ,vol.101,uřun 03,Sb. 3-18.

² Lebrun.M & Lecoq.J, 2015, *Classes inversées enseigner et apprendre à l'endroit*, Canopé éditions, Sb16-20.

Ma d tagnit tis snat yetteli umahil deg tneyrit, ibedd yef tirmad tiwiwalin i usekcem n yinelmaden deg usatal s yisteqsiyen d tririyin , asnas,iluyma akked tegnatin n wugur. S umata amahil yetteli s talya n ugraw, yebnan yef tnezzarit gar yinelmaden s tririyin yef yisteqsiyen d tirmad yettunefken iwakken ad bnun timusiwin-nsen.

Deg tugna i d-iteddun ad nwali tulmisin n uswir amezwaru :








Niveau 1 (N1) -> Base	
Temps 1 (N1T1)	Temps 2 (N1T2)
	
À distance	En présence
Découvrir, prendre connaissance des ressources (textes – vidéos) proposés par le formateur	Activités (débat; question/réponses) Le travail du temps 1 permet plus d'interactivité et un approche plus dynamique
	 
Seul	Groupe

Tugna 1^{rut} : Aswir amezwaru n tsensegmit yettin

Aswir wis sin: Yebna yef yinadiyen d usewjed n yinelmaden deg uxxam ney timkerdit. Da, anadi yezmer ad yesu atas n wudmawen, amedya: anadi yef yisallen yerzan kra n usentel ,tayuri n umagrad, ixef n udlis, anezzeh n tbdyut . Amahil-a yezmer ad yili deg ugraw ney yal yiwen iman-is send anekcum yer tneyrit. S umata deg tegnit-a ttilin yinelmaden d urmiden, gemren timusniwin i asen-d -yefka uselmad semrasen-tent iwakken ad bnun leqdic-nsen.

Yettwasuter deg-sen anadi d usewjed iwakken mi ara ilin deg tneyrit, deg tiremt-nni ad xedmen ineskinen, askasi,adiwenni akked usbedded n tkerda n wallay yef ugbur n temsirt-nni

Deg uswir-a yettbin-d ubeddel n twuriwin n uselmad akked unelmad acku asefru n temsirt yebna yef leqdic n yinelmaden.

Niveau 2 (N2) -> Base +	
Temps 1 (N2T1)	Temps 2 (N2T2)
	
À distance	En présence
<u>L'apprenant plus acteur que le N1T1</u> <ul style="list-style-type: none"> Rechercher d'informations Préparer des exposés Possibilités d'aller sur le terrain (interviews, micro-trottoir) +/- plateforme ou espace collaboratif pour échanges et partages	<u>Le groupe d'apprenants est plus acteur et plus créatif dans l'organisation, la participation que le N1T2</u> Présentation du travail Débat argumenté et modéré par les étudiants Création de supports synthèse (carte mentale) Organisation de mini colloque
  	 
Seul ou en groupe	Groupe

Tugna 02 : Aswir wis sin



Aswir wis krad : Ma d aswir-a ilmend n M.Lebrun akked Julie Lecoq senden yef leqdicat yexdem Kolb , nezmer ad d-nini aswir-a d rraħ d tuyalin gar sin n yiswiren imenza, akken ula d netta yebda yef kuzzet n tagnatin¹

Akud 1: (s umacqaq): Leqdic deg tagnit-a yettili berra i tneyrit yebna yef ugmar n yisallen d tmiđranin yerzan tamsirt akked useggem-nsen,asewjed n uneskin amezyan, tasleđt d usufey n tektiwin tigejdanin, tasemlilt d usnulfu.

Akud 2: (s tihawt/amacqaq): Leqdic yettili deg tneyrit s usissen n yisallen akked yiybula yettwagemren d usnekwu n umgired ney agdal yellan gar tririwin i d-igellun s tlalit n umlasay awessunmetti (conflit sociocognitif), asbedded n yisteqsiyen d turdiwin.

Akud 3: (s umacqaq): Berra i tneyrit, ttaran yinelmaden tamawt i uħric n tezri, sufuyen-d iferdisen igejdanen yerzan asentel iyef ttnadin, sewjaden tasemlilt d yisteqsiyen.

Akud 4: (s tihawt ney s umacqaq): Deg tneyrit yettili usiğhed n tmusniwin i sean yakan yinelmaden (tigzi/asnas/isteqsiyen yef tliisa n unadi/d useqdec n tmusniwin deg yisatalen-nniđen) berra i tneyrit yewwi-d yef unelmad ad inadi yef tmiđranin yerzan tamsirt deg uxxam, ma deg tneyrit ad yeg aneskin ara d-yeslalen askasi d umbadel n tektiwin yef unadi yettwasutren(tigzi,asnas, aseqdec n tmusniwin deg tagnatin-nniđen).

Niveau 3 (N3) -> N1+N2 (cycle)	
Phase la plus élaborée sous forme de cycle / spirale Allers retours entre distance – présence – distance - présence	
	
Alternance des ressources « imposées » + recherches à faire	Diversification des activités Expérience concrète Conceptualisation Expérimentation active ...

Tugna tis 03 : Aswir wis krađ

Tasensegmit yettin d yiwet n tarrayt am tarrayin-nniđen n uselmed, tbedd yef ugbur akked yiberdan ney tifukas ara đefren ama d anelmad ney d aselmad deg tneyrit. Maca deg wayen yerzan aseđru n temsirt, temgarad yef tarrayin-nniđen tisensegmiyin, deg wayen ad d-iđefren, ad neeređ ad nessegzi amek i d-tettili temsirt s useqdec-ines.

¹ [Fiche-pratique-La-classe-inversee-v0.0.1.pdf \(univ-poitiers.fr\)](https://www.univ-poitiers.fr/~mlebrun/fiche-pratique-La-classe-inversee-v0.0.1.pdf)

4. Amek i d-yettili useđru n temsirt s tsensegmit yettin?

Tizi tamezwarut

Aheyyi n uselmad

Deg usatal n tsensegmit yettin, send ad yesyer uselmad yewwi-d ad inadi igburen ara yesselmed deg tneyrit, akked usewjed n tirmad ara xedmen yinelmaden

Ma ira ad yesseqdec tibidyutin yellan yakan wejdent, yewwi-d fell-as ad tent-id-inadi, ma ur wjident ara ilaq d netta ara tent-id -yesnulfun s wallalen yesea gar yifassen-is: imsiwel/asekles/aselkim/aseyzan/tablette tactile/tugniwin.¹

Tizi tis snat

Deg tneyrit

Da ad yessegzi uselmad amahil ara xedmen yinelmaden, syin akin ad ten-yebdu d igrawen ideg llan yinelmaden yemgaraden deg uswir n tyuri iwakken ad tili tezrirt d tnezzarit gar-asen. Mi yekfa bettu n yigrawen ad yazen agbur n temsirt s talya n tbiyut yer tansiwin tiliktrunin-nsen ney yer yizeđwan inmettiyen i seqdacen s wařas.

Tizi tis krađet

Berra i tneyrit

Aħric-a yettili berra i tneyrit, dukkulen yinelmaden d igrawen bettu leqdic gar-asen, yal anelmad yesea tawuri-ines deg leqdic (tira,tuddsa n umahil,anadi yef yisallen yerzan tamsirt..atg). Mi d-gemren isallen ad eerđen ad fernen ayen ilaqen.

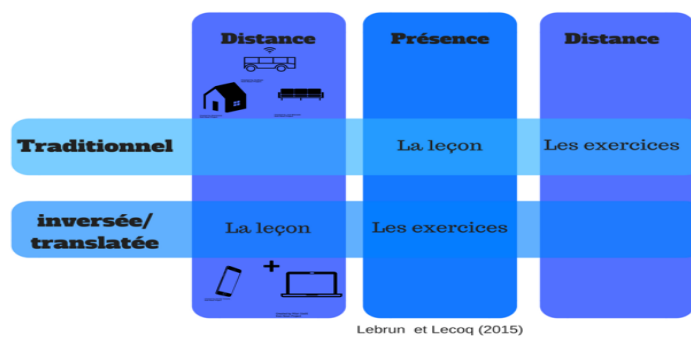
Deg tneyrit

Mi d-wwđen yinelmaden yer tneyrit, yal, agraw ad d-yesbedd agensas n ugraw-ines iwakken ad d-yekker yer tfelwit ad yexdem agzul i wayen walan deg tbiyut i asen-d yuzen uselmad. Ma d igrawen-nniđen seytayen tucđiwin, ma llant, akken i ttsemmiden tiririyin s timusniwin i d-ufan, annect-a yeslalay-d askasi d udiwenni gar yinelmaden.

¹ *Roy Normand., 2014, « La classe inversée : une pédagogie renversante ? », deg *pedagogie.quebec.ca/tableau*, vol 3, uřun 1, Sbr. 1-2

Iswi agejdan n leqdic-a yetteawan aselmad deg usidet n tegzi d tmezriwt n yinelmaden i warrat d tririt yef yisteqsiyen akken diy i yetteawan deg tuddsa n umahil-nsen imi s tmusniwin i d-gemren, zemren ad tent-sqedcen i tikkelt-nniđen deg umahil ara xedmen deg tneyrit. Rnu lqdic-a d tagnit akken ad izer uselmad uguren n yinelmaden-is, ma yewwi-d ad ieiwed tarrayt yesseqdac deg tneyrit ney ad d-yessuget deg tekci n yiluyma. Si tama-nniđen leqdic-a itekki deg usnerni n tnezzarit gar yinelmaden d usiğhed n wassayen-nsen.

Azenziy-a yeskan-d amgired yellan deg usedru n temsirt s tarrayt tamensayt akked tsensegmit yettin.



Tugna tis 04: Almad deg tarrayt taqburt akked tsensegmit yettin

5. Assay yellan gar tmudemt n tsensegmit yettin akked temsartut n Bloom

5.1. Aniwa i d Benjamin Bloom?

B.Bloom ,d amusnaw amarikani deg tussnakayadt(docimologie).Ilul deg useggas n 1913,yemmut deg useggas n 1999. Tasesmelt-ines, tufrrar-d gar tiyađ imi fessuset yerna tefka-d igemmađ igerrzen.

5.2. Tamsartut n Bloom

Deg n useggas 1968 **Benjamin Bloom** isumer-d yiwen uzenziy n s talya n tzamugt (pyramide), deg leqdic-a yella-d usismel n yirmad n wallay ney akken i asen-semman

yimassanen n tesnalmudt iswan isensegmiyen d yiswiren n tedmi. Asismel-a yerza akala n ulmad yebdan yef sdis n yiswiren seg uħerfi yer wuddis, ney seg ukmam yer umadwan :¹

- Tamusni
- Tigzi
- Asnas
- Tasleđt
- Tasemlilt
- Askazal.

5.3. Imyagen n tigawt i d-yessumer B.Bloom deg temsartut-is :²

Aswir	Tasesmelt n Bloom	Imedyaten n yimyagen n tigawt
01	Tamusni	D allus n yisallan akken ttwaħefden : Anelmad: -Ad yani , ad yecfu, ad yesseqeđ ,ad yesbadu,ad yeglem,ad yessemliil, ad yegmer, ad isnekwu ,ad isemmi , ad yessismel...atg.
02	Tigzi	Anelmad igezzu anamek n yisalli -yezmer ad t-id yessuyel s wawalen-is, ad yessenfel , ad yessesmel , ad yessegzi,ad d-yefk imedyaten, ad iserwes, ad yessemgired, ad isyiwes, ad yexdem agzul ...atg.
03	Asnas	D tazmert n unelmad i usnas n tmussniwin d tezra i yegza yakan deg tegnatin timaynutin: Ad yefren, ad issismel,ad isemmed,ad isseqdec,ad isuddes, ad iheyi , ad yessemyezg ,ad yesnefli, ad yefru ... atg.
04	Tasleđt	D tazmert n unelmad i useftutes n yisalli: Ad yesleđ,ad yebdu d iħricen,ad d-yekkes seg, ad d-inadi yef , ad yakez, ad yessemgired, ad yeg assay, ad d-yefk tuttra yef wamek nezmer ad nefru,ad yales talya i yihricen n kra n usentel...atg.
05		D tazmert n unelmad i usemlili n yiferdisen n kra n tanga iwakken ad asen-yales talya yef yiwen:

¹Rieunier, A,2012, *Pédagogie;dictionnaire des concepts clés: apprentissage, formation, psychologie cognitive*. ESF. Sb 327.

² Glossaire des termes pédagogiques fréquemment utilisés. Sb 5.

	Tasemlilt	Ad yessexdem tikta tiqdimin i usasi n tmaynutin; ad yessemliil, ad yessebɣer, ad d-yeslal, ad d-yefk tuttra yef wamek nezmer ad nessebɣer , amek nezmer ad nefru ...atg.
06	Aktazal	D tazmert n unelmad deg tekci n uzaref yef tekta , timusniwin, tızra d wallalen: Anelmad ad yesserwes, ad yessemgired, ger tekta, ad yektazel, ad yesfukel, ad yefren ,ad yezyen, ad yeddem kra n tedmi,

Tafelwit uṭṭun 3: Imyagen n tigawt ilmend n temsartut n Bloom.

Akken i d-nenna yakan, amezruy n tsensegmit yettin yebda-d seg useggas n 1920, d acukan ur d-teffiy ara s wudem unsib yer unnar n usegmi almi d aseggas n 1968-1970 i d-tban ugar s lmendad n Benjamin Bloom i d-isbedden yiwen n usismel n tirmad iwumi qqaren Tamsertut n Bloom, deg-s uddsen yiswan isensegmiyen yef sḍis seg ukmam yer umadwan ney seg tirmad fessusen yer tirmad tuddisin.

6. Seg temsertut n Bloom yer temsertut n Lorin Anderson akked David Krathwool

Yal leqdic usnan ur yezmir ara ad yili d ummid acku mi d-teffey temsartut-a n Bloom atas n uzyan i d-yellan fell-as d asmi, deg useggas n 2001 Lorin.W Anderson akked David.R Krathwool bedden udem i temsartut n Bloom s usekcem n uswir awessun amaynut : **Asnulfu.**¹

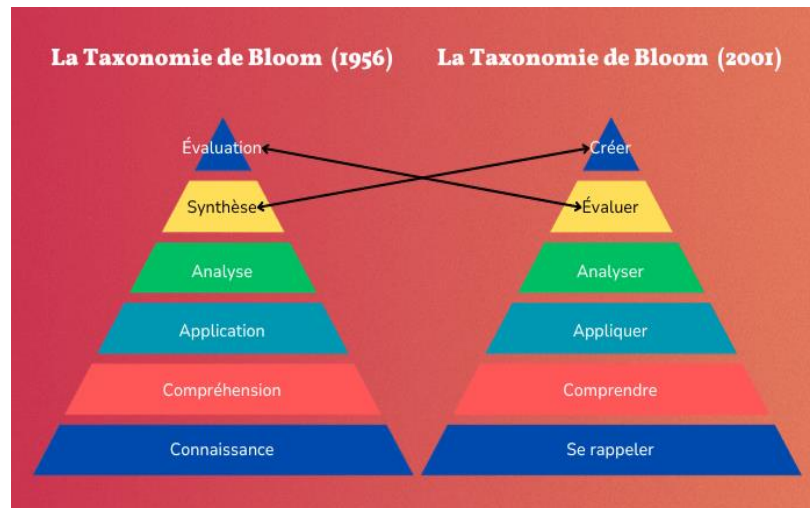
Udem-a amaynut yella-d iwakken ad ieiwen iselmaden d yimsegmiyen ilmend n usmaḍal yuyen iyerbazen d yinawen n ulmad.

Nezmer ad d-nwali abeddel-a deg wallus n yismawen i sin n yiswiren n tzamugt n Bloom haten-id :²

¹ <https://www.beedeez.com/fr/blog/enseigner-avec-la-taxonomie-de-bloom>.

² Rieunier.A,2012, *Pédagogie, dictionnaire des concepts clés : apprentissage, formation, psychologie cognitive*. ESF, Sb 330.

Tugna tis semmus : Tamsertut n Bloom akked ubeddel-ines ilmend n Lorin Anderson d David Krathwool



Ma nserwes gar tarrayt tamensayt d tsensegmit yettin, ad d-naf tarrayt tamensayt tbedd yef usegzi deg tneyrit ma d iluyma ttilin deg uxxam.

Maca deg tsensegmit yettin ttilint tirmad n uswir awessun adday berra i tneyrit deg uxxam ney tamkerdit ma d tirmad tuddisin deg tneyrit, annect-a yettbin deg sin n yiswiren addayen n temsartut n Lorin Anderson akked David Krathwool (**Asmekti + tigzi**).

Akken i d-nenna, akala n temsirt deg tneyrit yettin ibedd yef krađ n tegnatin:

Send tneyrit

Terza sin yiswiren addayen n temsertut n **Lorin Anderson d David Krathwool**

(Asmekti +Tigzi), deg tegnit-a aselmad ad isewjed ney ad isumer agbur n temsirt ara waln yinelmaden s yisteqsiyen s wayes ad yessidet tigzi n yinelmaden akked lxedma n leqdic.

Deg tneyrit

Terza iswiren ilemmasen n temsartut (Asnas+tasleđt), da aselmad yezmer ad isumer atas n tirmad i uselqey n tegzi am tikci n usentel ara sqerdcen yinelmaden deg ugraw, iluyma,tirmit.

Akud i d-yeqqimen, ad yales uselmad asegi s telqey i yinelmaden i d-yemlalen uguren akked tmiđranin n temsirt.

S yinefkan d yisallen i d-yegmer uselmad yezmer ad yesnekwu uguren n yinelmaden-is akken ad yessentawi gar tarrayt-is n uselmed akked yisuren n yinelmaden s ubeddel n yisulal isnsegmiyen akked yiskasiyen.

Seld: Terza sin n yiswiren n tqacuct n temsartut (Aktazal,asnulfu)

Da, aselmad yezmer ad d-yesbedd tignatin n teywalt ara yeğgen inelmaden ad meslayen yef wuguren-nsen, yezmer ad ten-yeskazel s talya n yirim akken i zemren yinelmaden gar-asen yakan ad gen aktazal. S umata deg tegnit-a, aselmad yettak-d iluyma i yiwet n taggayt n yinelmaden i usiğhed n tmusniwin-nsen, akken diy i ten-yessebyas ad swejden tamsirt i d-iteddun.

Deg unnar n tesnalmudt ur telli ara tarrayt tasensegmit yemmden acku yal mi ara d-tban yiwet yettili-d uzyan fell-as, d asmi i d-ttbinent tiyađ, dya yal tarrayt tesea ibayuren akken i tezmer ad teseu kra n wudmawen i d-yewwi ad snernin yimasanen. Deg umahil-a nefren tasensegmit yettin dya yewwi-d ad d-nemmeslay yef sin n wudmawen i tesea.

7. Udem amezwaru : ibayuren n tsensegmit yettin

- Tasensegmit yettin tefka azal ugar i unelmad imi terra-t d amasay deg lebni n tmusniwin-is.
- Aselmad yettili d imwelleh deg teyzi n temsirt.
- Aslelli n wakud n tneyrit i lxedma n tirmad tuddisin deg ugraw.
- Leqdic imezdi gar yinelmaden yeslalay-d tanezzarirt.
- Asekcem n yinelmaden deg tegntin n wugur i ten-yettawin yer unadi n tmusniwin s telqey.
- Tifulment n yinelmaden deg usiley-nsen akken ur tkalayen ara yef tmusniwin n uselmad.
- D tarrayt i d-yezgan d yiswiren n yinelmaden i yebyu yili, acku s useqdec n tbidyut yezmer ad tt-iwali unelmad melmi yebya ačal n tikkal i yesra ilmend n wanya n tegzi-ines
- Asidef n wallalen TIC deg tneyrit yedda akked umhaz n wassuren n yinelmaden.
- Asnerni n tezmert n teywalt akked tfukas n tmesliwt.

8. Udem wis sin: Iæwwiqen n tsensegmit yettin

- Deg usatal n tsensegmit yettin, nezmer ad d-naf inelmaden i d-yettmagaren uguren deg ukala n ulmad-nsen imi uyen tannumi d yiwillihen n uselmad akked tihawt-ines yer tama-nsen, dya ma ulac-it ad asen-yaæer umahil iman-nsen.
- Timerna n umahil-nniðen yef tirmad yettwaxedmen deg tneyrit, imi tuget n yinelmaden æyyun mi ara d-awðen s axxam, dya yuæer iwakken ad xedmen leqdic-nniðen i asen-d-yefka uselmad.
- Seg tama n yiselmaden, tarrayt-a tettawi-asen atas n wakud deg usewjed n warraten ara sqedcen am tbiyutin akked tirmad ara fken i yinelmaden.
- Ma ur gzin ara yinelmaden arrat, ur d-sewjaden ara amahil i asen-yuzen uselmad, dya yewwi-d fell-as ad d-yales asegi deg tneyrit d ayen ara t-yeğgen ad yawi atas n wakud.
- Tuggdi n yiselmaden ad tay lantirnat adeg-nsen.
- Uguren n tuqqna i d-ttmagaren yiselmaden d yinelmaden.

9. Leqdicat yemmugen yef tsensegmit yettin

Sumata, imnadiyen ur beddun ara leqdicat-nsen war ma uyalen yer wayen yettwaxedmen yakan yef usentel yerzan tizrawin-nsen , imi s yimahilen-nni i zemren ad azen yer sdat iwakken ad semden ayen ixusen deg-sen ney ad salqin ugar igmad iyer ssawðen. Akken ula d nekkni nsenned yef leqdicat d tezrawin i d-yellan yef usentel i nefren imi deg waddad n uselmed n tmaziyt ur d-llint ara tezrawin yef uselmed s tsensegmit yettin, dya nesseqdec iybula-ya d adda n unadi-nney.

Deg tfelwit-a, ad d-nebder kra n leqdicat i d-yellan yef usentel-nney:

Tafelwit uṭṭun 4 : Leqdicat i d-yellan yef tsensegmit yettin

Tizrawin	Imagraden	Idlisen
<p>-Tazrawt n Master « Enseigner la grammaire autrement par le biais de la classe inversée : cas des élèves de la 4^{ème} année moyenne», Mohamed Khider ,Biskra 2019-2020.</p> <p>-Tazrawt n Master « L’approche inversée comme un outil pédagogique pour médiatiser un texte littéraire Cas de la première année licence FLE Département lettres et langues étrangères, université Mohamed El Bachir El Ibrahimi BBA.</p> <p>- Tazrawt n Master « Le rôle de la classe inversée dans le développement de la production orale. Cas des étudiants de 2^{ème} année licence », université Oum el bouaghi.</p> <p>- Tazrawt n Master«La classe inversée : Une nouvelle philosophie révolutionnant le processus d’enseignement/apprentissage du FLE par le biais des TICE».</p> <p>-Tazrawt n Duktura , «Classe inversée une philosophie pour repenser l’enseignement/apprentissage du FLE au secondaire : Cas des élèves de 1^{ère} AS lycée Othman ibn Affen , M’sila » , tasdawit Batna.</p> <p>- Tazrawt n Master« La classe inversée en ligne pour enseigner et apprendre le FLE», université de Bejaia.</p> <p>-Tazrawt n Master « La pédagogie inversée dans la pratique de la compréhension de l’orale via l’utilisation des TICE(Facebook), université Mohamed Boudiaf M’sila.</p> <p>Master en sciences de l’éducation « Quels sont les adjutants, les difficultés et les freins à la pratique de la classe inversée ? », université Catholique de Louvain.</p> <p>- « Analyse de la pratique de classe inversée au lycée depuis la plateforme-Moodle », mémoire de master, université de Strasbourg.</p> <p>- « Classe inversée et élèves de l’enseignement secondaire : d’une perspective technologique à une approche anthropologique », Thèse de doctorat, université de Strasbourg.</p>	<p>« <i>L’hybridation dans l’enseignement supérieur : vers une nouvelle culture de l’évaluation ?</i> Marcel Lebrun.</p> <p>« La classe inversée : activité des enseignants, activité des apprenants », Marie Sylvie Claude.</p> <p>- « La pédagogie inversée : recherche sur la pratique de la classe inversée », Vincent Faillet.</p> <p>-« Vers une typologie des classes inversées », Marcel Lebrun , Coralie Gilson et Céline Goffinet .</p> <p>-« La pédagogie inversée dans la pratique d’enseignement de tamazight langue maternelle », Taibi Khalid et Hamoumi Zina - Vol. 5 No. 2 (2024): Les méthodes pédagogiques actives en enseignement postsecondaire : enjeux, défis et retombées Roy, N. (2014). La classe inversée: une pédagogie renversante?. <i>Le tableau</i>, 3(1).</p>	<p>«La classe à l’envers pour apprendre à l’endroit», guide pratique pour débiter en classe inversée.</p> <p>«Classes inversées,enseigner et apprendre à l’endroit»,M.Lebrun & J.Lecoq, 2015.</p> <p>« La classe inversée »,Jonathan Bergmann & Aaron Sams, 2014.</p> <p>« Apprentissage inversé »,Jonathan Bergman & Aaron Sams,2015</p> <p>«Enseigner en classe inversée: Mon compagnon quotidien pour faire cours autrement »,Marie Soulié,2022</p> <p>«La pédagogie des classes inversées, enseigner autrement dans le supérieur », Ariane Dumont & Denis Berthiaume,2022.</p> <p>« Pédagogie de l’activité : Pour une nouvelle classe inversée », Taurisson Alain & Herviou Claire,2015.</p> <p>« La classe renversée : l’innovation pédagogique par le changement des postures », Jean-Charles Cailliez & Charles Hénin, 2019.</p>

Taggrayt n uħric

Akken nwala deg uħric yezrin, uggent tarrayin n uselmed, yal yiwet tefka-yas azal i timawit akked unelmad. Gar tarrayin-a nefren-d tasensegmit yettin i uselmed n tegzi n timawit imi d tarrayt yeslalayen timegleyt ħur yinelmaden s useqdec n wallalen n teywalt dixel n tneyrit. Ma deg uħric-a newwi-d awal ħef tsensegmit yettin akked umezruy-is, tulmisin-is d wamek i d-yettili usedru n temsirt s useqdec-ines. Ĥer taggara nessismel-d deg tfelwit leqdicat yettwaxedmen ħef usentel n umahil-nney.

S wakka, nekfa ixef n tezri, deg uħric i d-iteddun ad nekcem ħer tesnarrayt deg-s ad d-nemmeslay ħef tarrayin i neđfer deg ugmar n yinefkan.

Aḥric wis kraḍ : Tasnarrayt

Tazwert

Tasnarrayt tesa tamlilt taxatart deg tudds d lebni n yal leqdic usnan. Terza iberdan ara yeđfer umnadi deg umahil-ines iwakken ad d-yegmer inefkan, ad ten-yesleđ. Aħric n tesnarrayt d asissen n wallalen isnarrayanen i neđfer deg umahil-a. Deg tazwara ad d-nemmeslay yeđ usentel amatu n tezrawt-nney akked yiswan-is syin ad nzer timental i ay-yeđđan ad t-nefren d unnar seg i d-negmer inefkan i nesra. Akken diy ad d-nemmeslay yeđ tfukas i nesseqdec deg ugmar n yinefkan: imsteqsi, adiwenni, irim, akked tfelwit n tannayt. Yer taggara ad d-yili usissen n tarrayin n tesleđt n yinefkan.

1. *Afran n unnar*

Iwakken ad d-nawi inefkan s wayes ara d-nerr yeđ ugnu n tezrawt-nney, nga tasestant deg tesnawit « *Imeyrasen Zennac* » yellan deg tyiwant n Bgayet. Nefren tasnawit-a acku yella yiwen n uselmad yesyarayen din, iger yakan asurif amenzu s usemres n tarrayt i nefren deg useggas n 2018. Tella-d termit tamezwarut maca leqdic ur d-yelli ara s telqey. Tin yur-s nefren aswir wis krađ acku inelmaden-a yran yakan tutlayt n tmaziyt deg yiswiren yezrin, rnu tettrađđu-ten tudert tanmettit tamaynut deg tesdawit. S leqdic-a nra ad nzer amek i d-yettili uselmed n tegzi n tmenna s usemres n tensegmit yettin, acku s umata deg temsirt n tegzi n tmenna tuget n yinelmaden ur seεεun ara lebyi i ulmad ilmnen n tarrayin i seqdacen yiselmaden-nsen deg tneyrit, d asmi i d-nefren tarrayt yettin i uselmed n tneggarut-a, rnu yer waya yeqreb-ay unnar i ugmar n yinefkan.

2. *Tallumt*

Iwakken ad nexdem tirit-nney nerza yer tesnawit n « *Imeyrasen Zennac* » i d-yezgan deg tyiwant n Bgayet deg Yiheddaden. Deg tasestant-nney nefren kužet n tarrayin i ugmar n yinefkan, tamezwarut d imsteqsi, adiwenni, irim akked tfelwit n tannayt. Deg tzersasant i nga nefreq yiwen n yimsteqsi i yinelmaden n uswir wis krađ n tneyrit yeqqaren tusna , llan azal n 27 yinelmaden, tuget-nsen yran yakan tamaziyt anagar sin n yinelmaden ur tt-neyri ara ,rran-d fell-as 23 yinelmaden ma d ukkuž -nniden bedden ayerbaz deg lawan n usedru n termit.

Gar 23 n yinelmaden, 16 d tiqcicin, 7 d arrac, aswir-nsen n ulmad ilmend n yisallen id-negmer syur uselmad yelha deg tuget n tangiwin anagar krađ n yinelmaden ttafen-d kra n wuguren deg ulmad. S umata tineyrit-a tebna yeđ wassayen yelhan gar uselmad d yinelmaden-

is, timsirin ttilint-d deg tegnatin yelhan, yettili umtawa gar yinelmaden xas tikkwal ur d-zgint ara tmuyliwin-nsen maca ttawđen yer yiwet n tedmi s uskasi. Annect-agi akk n yisallen d ayen i d-newwi seg uselmad mi nga yid-s adiwenni send ad yebdu leqdic.

3. Asissen n usatal n tsestant

Deg yal leqdic ara yexdem umnadi ur yezmir ara ad yebdu ney ad yekfu amahil-is war ma yemlal-d uguren, ama d akud,allalen, tiwtilin n umahil iwatan.

Gar wuguren-a i d-nemlal ad d-naf ugur n wakud imi nerza yer tesnawit-nni deg tallit n yikayaden, rnu yef waya tuget n yiselmaden yettafaren amussu n cnapest xedmen asunded , annect-a yegla-d s ugellel n tirmad tisensegmiyin akked temsirin, ilmend n tegnit-nni iselmaden kkatn amek ara fakken amahil deg wakud iwatan acku llan yimaswađen yessefqaden yef umahil n yal aselmad. Ugur-nniđen yerza tadbelt acku tanemhalt ur ay-d-teldi ara tawwurt si tazwara almi d tirza-nney tis krađt akken teqbel ad nexdem tannayt-nney deg tesnawit-nni. Mi kfan yinelmaden ikayaden, bđan aseyti syin akin tella-d tallit iwumi qqaren «Capes» dya aselmad uyur i d-yewwi ad nexdem tannayt-nney yella d aeggal n tesqamut-nni. Xas nemlal uguren-a, ur llin ara d iewwiqen igejdanen deg ugezzum ney aħbas n leqdic, imi neawed neqqel yer tneyrit-nni nexdem tirmat-nney nerna newwi-d yinefkan i nesra deg tezrawt-nney.

4. Tifukas n ugmar n yinefkan

Iwakken ad d-negmer inefkan ara ay-yeğgen ad naweđ yer yiswi n leqdic-a, neđfer kkuzet n tfukas : Imsteqsi, irim ,adiwenni, tannayt deg tneyrit.

Nefren imsteqsi iwakken ad nzer azal n yizeđwan inmettiyen deg tudert tayurbizt n yinelmaden, ma seqdacen-ten deg ulmad-nsen Ma d tafelwit n tannayt d yirim iwakken ad nzer tikli n yinelmaden akked wamek yettili useđru n temsirt deg tneyrit yettin. Nerna nesseqdec tafakust n udiwenni acku d tin iwatan i wammud n tmuyliwin d tgensas n yinelmaden yef tarrayt yettwasqedcen.

4.1. Imsteqsi

S umata, d tagrumma n yisteqsiyen i yessewjad umsastan s wayes ara yesteqsi imsulya-ines, iwakken ad yegmer inefkan yerzan iswan n tsestant-ines. Imsteqsi d amseđfer n

yisteqsiyen imeldiyen d wurgilen, uggtent tbadutin yef yimsteqsi, amedya tabadut n Omar Aktouf ^{1*}« *D tagrumma n yisteqsiyen yuran i itezzin yef yiwen n usentel yebnan yef kra n yilugan usdiden yerzan aheyyi d lebni. Llant atas n tsekkiwin n yimseqsiyen i nezmer ad d-nessismel ilmend n yiswi yetturağun: turdiwin, ibayuren, timusniwin, d tmeğleyt* ».

4.1.1. Asissen n yimsteqsi

Iwakken ad neg tasestant-nney, nerza yer tesnawit n “Yimeyrasen Zennac”. Send ad nexdem tirit, nemlal d yinelmaden n uswir wis krađ i tikkelt tamezwarut, nefreq-asen imsteqsi iwakken ad d-rren fell-as imi yis-s ara d-negmer inefkan yef wazal n yizeđwan inmettiyen akked lantirnat deg tudert-nsen tayurbizt d wanti tagnatin i ten-seqđacen.

Deg yimsteqsi nefreq, ad d-naf 11 n yisteqsiyen. Deg tazwara nefka-d asteqsi yef leemer akked tuzuft n yinelmaden iwakken ad nesnekwu tallumt-nney. Syin akin ma sean allalen n teywalt d wumđin d waniwi seqđacen, s usteqsi-ya nra ad nzer amđan n yinelmaden i ten-yesean akken diy ad nessidet ma nezmer ad nexdem tirit-nney. Ma d asteqsi wis krađ yerza timeseiwt n lantirnat dixel n wallalen i semrasen yinelmaden acku leqđic-nney yesra i lantirnat. Ma d asteqsi wis ukkuđ yerza timeseiwt n lantirnat deg yixxamen imi leqđic-nney yebna yef sin n yihricen: aħric amenzu ad yili usewjed n leqđic deg uxxam ma d aħric-nniđen ad yili d asissen n leqđic deg tneyrit, ihi tawtilt tagejdant iwakken ad yeđru umahil deg tagnatin i ilaqen yesra i lantirnat .

Deg usteqsi wis semmus, nesasten inelmaden yef uswir-nsen n useqđec i wallalen n tsenselkimt d teywalt iwakken ad nzer ma ttewlen yinelmaden deg useqđec n titiknulujin tatranin d waniwi uguren i d-ttafen, ma llan ad neeređ ad d-nsumer kra n tifat. Ma d asteqsi wis sđis yerza timeseiwt n tansa taliktrunit iwakken ad yili wassađ gar-aney mi ara sen-nazen leqđic akken diy i zemren ad tt-smersen d asaka i teywalt gar-asen d uselmad. Ma d asteqsi wis sa, yerza timeseiwt n yizeđwan inmettiyen d waniti tagnatin i ten-seqđacen, nefka-d asteqsi-ya iwakken ad nzer ma meqqr umđan n yinelmaden i ten-yesean iwakken ad ay-ieiwen deg useđru n termit i nra ad nexdem, akken diy i nebya ad d-nawi isallen yef wazal-nsen yur yinelmaden ilmend n tayulin ideg ten-seqđacen. Ma d asteqsi wis řam yerza aseqđec

*« Ensemble de questions écrites portant sur un sujet particulier et obéissant à des règles précises de préparation, de construction de passation. Il existe une grande variété de questionnaires que l'on classe selon le but visé : d'opinions, d'intérêts, de connaissance, de motivation ».

¹Aktouf.O,1987, *Méthodologie des sciences sociales et approche qualitative des organisations, une introduction à la démarche classique et une critique*, Les presses de l'université du Québec, ASb 82.

n lantirnat i tyuri, yella-d usteqsi-ya acku deg termit ara nexdem nebya ad nefk udem amaynut i ukala n ulmad akked usiwed n tmusniwin i yinelmaden, dya nebya ad d-nessekcem lantirnat deg leqdic-nney. Ma d asteqsi wis tza, nessuter i yinelmaden ad sismlen kra n yizedwan ilmend n txutert-nsen rnu ad d-segzin acuyer, nefka-d asteqsi-ya iwakken ad nzer tulmisin akked tmuyliwin n yinelmaden yef yal azeṭṭa inmetti, akken i nebya ad nzer ma yella zemren ad ilin d abrid gar yiberdan n usiley.

Yer taggara nefka-d asteqsi imeldi iwakken ad d-rnun yinelmaden kra n tektiwin syur-sen.¹

4.2. Adiwenni

D tafakust tis snat i nesseqdec deg umahil-nney akken i t-id ysbadu Omar Aktouf^{2*} « *D assay imawi, taqerruyt yer tqerruyt, gar sin n yimdanen anida yiwen yettak-d isallen i wayed yef kra n usentel i d-yettwasbedden seg tazwara* ». Nezmer ad d-naf atas n tsekkiwin n udiwenni : ilelli, usrid, azgen usrid.

Deg leqdic-nney nessemres adiwenni usrid acku d win ara ay-yallen deg ugmar n yinefkan usdiden deg tsestant-nney.

4.4.1 Isteqsiyen n udiwenni akked yinelmaden

Iwakken ad d-negmer timuyliwin n yinelmaden d wadduden-nsen yef tarrayt n uselmed yettwasqedcen deg tneyrit, nefka-yasen 8 n yisteqsiyen. Ad d-nessisen yal asteqsi s yiswi-ines.

1. Tesea yur-wen temsirt n tegzi n tmenna azal ney ala?

Iswi-s: Yella-d usteqsi-ya iwakken ad nzer ma rran yinelmaden azal i temsirt-a ney smenyifen tiyađ ugar.

2. Mi twalam tabidyut deg uxxam tegzam-tt s shala ney tuer-awen? aḥal n tikkal i as-teawdem timesliwt?

Iswi-s: Nefka-d asteqsi-ya akken ad nessidet ma walan yinelmaden arrat yettunefken.

¹ Zer tajentad t n yimsteqsi , uṭṭun 1 ,Asb 114.

^{2*} «On appelle interview (ou entretien ou encore entrevue) « un rapport oral, en tête à tête, entre deux personnes dont l'une transmet à l'autre des informations sur un sujet prédéterminé.». Aktouf.O., kif.aseb.

3. Tellam tesseam yakan tikti yef usentel n tbiđyut ney ala?

Iswi-s: Yella-d usteqsi-ya iwakken ad nzer ma sean yinelmaden tizemmar tidelsanin akked tmusniwin yerzan amezruy n tmurt-nsen.

4. Leqdic i awen-d-yettunefken txedmem-t iman-nwen ney yella hed i aken-iaawnen?

Iswi-s: S usteqsi-ya ad nzer ma yella ssawđen yinelmaden ad d-rren yef yisteqsiyen i asen-yettunefken si tama rnu ad nzer ma gzan agbur n tbiđyut.

5. Tessawđem ad twalim tabiđyut ney temlalem-d uguren? ma llan aniwi?

Iswi-s: Nefka-d asteqsi-ya iwakken ad nzer ma sean yinelmaden allalen akked lantirnat s wayes-s ara walin leqdic.

6. Amek i awen-d-yusa leqdic deg uxxam mebla ma iaawen-iken uselmad, fessus ney yuđer?

Iswi-s: Yella-d usteqsi-ya iwakken ad nzer ma zemren yinelmaden ad yren iman-nsen war ma yella uselmad yer tama-nsen yal tikkelt.

7. D acu ara d-tinim yef temsirt n wass-a? Teđer-awen ney ala ma yella ih iwacu ma ala segzit-d.

Iswi-s: S usteqsi am wa, nebya ad nzer tigensas d timuylwin n yinelmaden akked tmental i ten-yeđer ad hemmlen ney ad yunzun tarrayt i nesseqdec.

8. Ilmend n temsirt n wass-a, d acu tesseam d tamiwin ad tent-id-ternum?

Iswi-s: Nefka-d asteqsi-ya akken ad segzin yinelmaden timuylwin-nsen s yifukal akked yimediyaten.

4.3. Irim

Nesseqdec irim acku d yiwet n talya i uktazal n tzemmar n yinelmaden, d netta i d ul n usiley. Iswi n yirim yella-d akken ad nzer afmiđi n tegzi n yinelmaden i warrat akked tmegleyt-nsen d tezmert-nsen i lxedma n leqdic war ma yella uselmad yer tama-nsen.

Tamsirt iyef d-yella yirim tebđa yef snat n tizza :

Tamezwarut: Tella-d iwakken ad nessegzi leqdic i yinelmaden.

Tis snat: Asissen n leqdic srid deg tneyrit syur yinelmaden.

Iwakken ad tili temsirt, nessexdem azeđđa inmetti «**Instagram**». Azgen n leqdic xedmen-t yinelmaden berra n tneyrit, deg uxxam akked temkerđit n tesnawit. Ma d azgen-niđen n leqdic yella-d deg tneyrit. Nuzen i yinelmaden tabidyut tamezyant yellan azwel « **Tagelda n at Eebbas , Kuku,Ɛerruđ d yięetmaniyen** », teęa azal n 04:50 dqayeq i d-yettwakksen seg Youtube. Seld mi tt-walan, nuzen-asen isteęsiyen iyef ad d-rren., Akken mi ara d-awđen yer tneyrit ad yili wayen ara d-sisnen i yimdukkal-nsen . Iwakken ad xedmen yinelmaden amahil sqedcen aselkim d umsiwel.

4.3.1. Asissen n termit yerzan tarmudt n tegzi tamatut

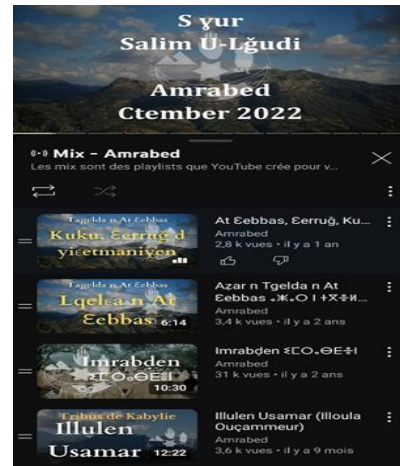
Tagzemt i nefren iwakken ad neg tirit-nney d tagzemt tamezwarut n usenfar wis krađ seg udlisfus n useęgas wis krađ n tesnawit, s uzwel «Inaw imsegzi,afares n uđris amazray aqbur». Maca ur d-neđdim ara ađris yellan deg udlisfus acku nefren-d yiwet n tbiđyut seg youtube, teęa assay akked tegzemt n usenfar uyur d-wwđen yinelmaden azwel-is «**Tagelda n at Eebbas: Kuku,Ɛerruđ d yięetmaniyen**», teęa 4 :50 dqayeq. Tabidyut-a tettmeslay-d yef umezruy n tgelda n at Eebbas akked unekcum n Yięerkiyen yer tmurt n Lezzayer d temlilt n watmaten Xir dđin akked Ɛerruđ deg uslelli n Bęayet d Ğięel seg uędaw aspenyuli, akken diy i d-yewwi warrat-a yef yimaýlayen yeđđan tamurt n Lezzayer ad tekcem seddaw n leħkem n Yięetmaniyen.



Tugna 1^{rut} : Tugna n ugraw deg instagram



Tugna tis 2 , aybalu n tbidyut



Tugna 3, tabidyut n yirim.

Asissen n yirim

Deg termit-nney nra ad yili useđru n temsirt n tegzi tamatut s useqdec n tsensegmit yettin akked usidef n yizeđwan inmettiyen daxel n tneyrit.

Deg wass n 28 yennayer yef tamert tis 9 n ssbeđ, newweđ yer tneyrit nefreq imsteqsiyen i yinelmaden, deg wakud-nni aselmad yessegzay i yinelmaden-is leqdic akked txutert-ines. Syin akin nessegza-yasen-d aseđru n yirim d wayen ara xedmen deg uxxam. Dya yebđa-ten uselmad d igrawen n wukkuž n yinelmaden yemgaraden deg uswir n ulmad. Mi nesteqsa inelmaden yef wanwa azeđta inmetti ara nesseqdec, mtawan akk yef yiwen n uzeđta iwumi qqaren **Instagram**.

Ass n 05 furar neldi yiwen n ugraw deg uzeđta inmetti **Instagram**, llan deg-s 21 yinelmaden, nezzuzer tabidyut mezziyen iwakken ad tt-walin iman-nsen deg uxxam ney d yimdukkal-nsen ačal n tikkal i byan.

Mi d-nessidet deg ugraw timezriwt-nsen i tbidyut nezzuzer, nufa-d anagar snat n tnelmadin ur d-nekcim ara yer ugraw. Nuzen-asen isteqsiyen yef tbidyut-nni, imi yes-sen ara izer uselmad ma walan yinelmaden arrat, ma gzan-t diyen. Ass n 07 furar yella-d usissen n leqdic i d-swejden yinelmaden deg uxxam. Deg tiremt-nni yebđa-ten uselmad d igrawen n 4 n yinesyuma iwakken ad mcawaren yef tririyin-nsen. Maca leqdic-a ur d-yewwi ara ad ieeddi nnig n 4 dqayeq. Beddlen yinelmaden tuddsa n tneyrit s ubeddel n talya i trusi n řwabel d yikersiyen. Yal agraw yesbed-d agensas s umtawa war imenyi.

Ass-nni, kecmen yinelmaden deg usenfar amaynut: Inaw imsegzi, tagzemt: Afares n uđris imsegzi amazray (aqbur). Ilmend n tuđđsa n uđlifus ayurbiz, tettas-d s termudt n tegzi n tmenna.yer tazwara n yal asenfar.

Mi bđan yinelmaden d igraven, ttemcawaren yef tririyin, yal wa yefka-d tiririt-is s tlelli, serwasen gar tririyin-nsen. Deg tiremt-nni, anezwu n tneyrit yettak anzi yer teyrast n tzizwa imi yal anelmad ixeddem tarmudt i as-yettunefken: wa yelha d tuđđsa n umahil, wayeđ tira n yisteqsiyen d tririyin, anelmad-nniđen yettnadi timusniwin yettsemmiden tikiwin n warrat s ttawil n lantirnat.... atg.

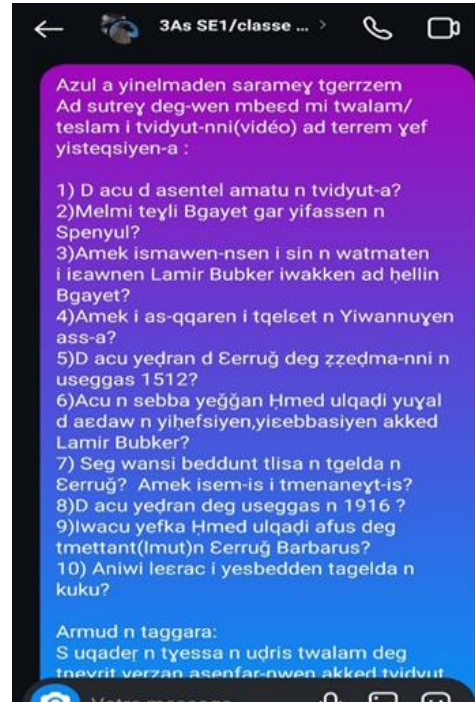
Ma d aselmad yetteedday yef trebbuyae, ad yessefqed yef leqdic i d-heyyan deg uxxam akked uwelleh-nsen. Gar 23 yinelmaden ad d-naf 21 xedmen leqdic yerna walan tabidyut anagar 02 ur nessaweđ ara ad zren arrat. Mi kfan amcawer gar-asen, yesteqsa-ten uselmad ma sean timusniwin yef umezruy n tmurt n Lezzayer akked n tedianin icudden yer-s ney xersum ma slan i tedyant i d-yettwabedren deg tbdyut. S umata, sean yinelmaden aybel d lebyi yer tmusni ladya deg wayen yerzan amezruy n Tmazya. Bedren-d tallit n tgeldiwin timaziyin d yigelliden yeddren deg tallit-nni am Masensen, Tinhinan, tallit n tegrawla d kra n wudmawen igejdanen yekkan deg-s akked tallit n tmunnent d yixessaren i d-tegla tegrawla.

Syin akin yesker-d uselmad s nnuba agensas n yal agraw yer tfelwit iwakken ad d-yerr yef kra n yisteqsiyen yerzan tigzi n warrat.

Tamsirt tella-d s talya n uskasi d tuđđma n wawal gar wiyad iwakken ad sneqsen yinelmaden uguren n usethi d ufares war akukru. Akken diy ad seytn gar-asen tiririyin-nsen. Mi kfan yinelmaden tiririyin yef yistqsiyen, yal agensas yetteedday-d yer tgida ad iyer agzul i yexdem d yimdukkal-is iwakken ad walin ma zgant-d tririyin-nsen d tid n yigraven-nniđen, akken diy ad eerden ad sumren tasemlilt-nniđen ara yettwarun yef tfelwit d yizmamen-nsen. Yer taggara n temsirt, yella-d udiwenni akked yinelmaden yef useqdec n tarrayt-a dixel n tneyrit iwakken ad d-negmer timuyliwin-nsen.



Tugna tis 04 : Beddu n leqdic



Tugna tis 05: Isteqsien yef warrat



Tugna tis 06 : Asidet n uwali n tvidyut

4.3 Tannayt

D yiwet n tizi taxatart i ay-yetteawanen akken ad d-negmer isallen d yinefkan iyef ara temmag tesleđt. D tafakust n wammud n yinefkan, deg-s yettili umnadi s libeıd yessikid, yetteassa ayen iderrun deg yimir n temsirt.

Annar n tsastant-nney d tneyrit, deg-s amnadi ad yeeređ ad yeqqim deg teymert ad yessikid si lebeıd ayen iderrun deg tneyrit war ma iger-d iman-is, d tagnit anida ad izer akk iferdisen yerzan iswi n unadi-ines. Ilmend n Anne-Marie Arborio2005 *¹

« Tannayt ur terzi ara anagar wid i iqeddcen deg tesnilesmetti maca ula d ineymasen, imejjayen, ttwalin, ttaddamen tizmilin. Tannayt ur tesri ara i wallalen-nniđen anagar amnadi s timmad-i , ney asexdem n tfukas yufraren i tesleđt n yinefkan». Seg tebdert-a ad negzu tannayt d tanekta tuddist acku tettili d tarrayt anagar mi ara nernu yer-s tawwayt, aglam akked tesleđt d usegzi n yinefkan.Ma yur Legendre 2005 yesbadu-tt-id akka :

«D tigawt yettarran tamawt d tusdidt, d tanarrayantt i usentel n uzraw iwakken ad nzer inedruyen ara ay-yeğğen ad t-nissin ugar» *² .

Iwakken ihi ad d-nerr yef usteqsi i d-yefrurin seg ugnu n umahil-nney:

« Ma nezmer ad nesselmed tigzi n tmenna s usemres n tneyrit yettin deg tesnawit ».

Nga tannayt akked yinelmaden n uswir wis krađ n tesnawit Zennac. Nefren tarrayt-a n ugmar iwakken ad nwali srid tikli n yinelmaden deg useđru n temsirt³.

4.3.1 Asissen n tfelwit n tannayt

Tafelwit i d-nesbedd tebđa yef semmus n texxamin, ad d-naf deg-s iferdisen-a:

*« L'observation n'est pas réservée a priori au sociologue : d'autres professionnels (journalistes, documentaristes, médecins) observent, prennent des notes. L'observation n'exige aucun autre instrument que le chercheur lui-même, ni mise en œuvre de techniques sophistiquées de traitement de données. ».

¹Fournier.P & Arborio Anne-Marie,2005, *L'observation direct en sociologie :quelques réflexions méthodologiques à propos de travaux de recherche sur le terrain hospitalier*, Armand Colin, Paris.

*« L'observation est définie comme une « action de porter une attention minutieuse et méthodique sur un objet d'étude dans le but de constater des faits particuliers permettant de mieux le connaître. »

²<https://blog.creasources.ca/guide-ultime-des-grilles-observation/>.

³Zer tajentęđt utđ02, Asb 91.

- Taxxamt tamezwarut d imataren n yittewlen iyef tbedd tannayt.
- Taxxamt tis snat s tecređt +, temmal-d yella uttwel.
- Taxxamt tis krađet s tririt -, temmal-d ur yelli ara uttwel.
- Taxxamt send taneggarut s tecređt +/-, temmal-d gar yella akked ulac attwel.
- Taxxamt taneggarut terza tamiwin i d-nufa mi neħder tamsirt deg tneyrit.

Deg tfelwit n tannayt i d-nesbedd, ad d-naf krađ n yimataren yerzan ittwelen n tannayt.

4.3.2 Iswan n yittewlen n tfelwit n tannayt

Ihi akken i d-nenna, tafelwit i d-nesbedd tebđa yef krađ n yimataren, yal amatar s yiswi-ines, ad ten-d-nessegzi deg wayen i d-iteddun:

Tuddsa n tneyrit: yella-d umatar-a iwakken ad nzer d acu-tt tezzirt n ubeddel deg tuddsa n tneyrit yef wassayen n yinelmaden akked tnezzarirt yellan gar-asen.

Tikli n yinelmaden deg useđru n temsirt: Nefka-d amatar-a iwakken ad nzer amek ttilin yinelmaden deg tneyrit s useqdec n tarrayt tasnalmudant urġin ssinen, rnu nra ad nessidet ma yetteawan usewjed n temsirt deg uxxam asnerni n tifulment yur yinelmaden si tama. Seg tama-nniđen nebya ad nzer tamlilt n leqdic imezdi yef wassayen n yinelmaden.

Tigzi n warrat: Iswi n umatar-a , ad nzer ma yella aseqdec n warraten islizranen isishil ugar tigzi n uđris rnu ma ssawđen yinelmaden ad snekwun iferdisen igejdanen akked wanaw n uđris.

4.4 Tasleđt n yinefkan n yimsteqsi

Akken ad d-nesleđ inefkan n yimsteqsi, ad d-neddem tiririyin n yal taggayt, syin ad asen-nexdem tasleđt tasmaktant i yinefkan. Yal asteqsi ad d-nessufey amđan n tririyin, syin ad d-naf afmiđi-nsent ara y-d-yefken tikti yef temlilt n yizeđwan inmettiyen deg ukala n ulmad n yinelmaden.

4.5 Tasleđt n yinefkan n tannayt

Akken ad d-nesleđ inefkan i d-negmer seg tfelwit n tannayt i d-nesbedd, yewwi-d ad asen-neg tasleđt ilmend n yittewlen i d-nessumer seg yal amatar. Iwakken ad d-nawi ugar n yisallen yef wamek i d-yella useđru n temsirt s useqdec n tsensegmit yettin, rnu ad nzer amek

i d-yella usissen n leqdic syur yinelmaden s usidef n wallalen umđinen dixel n tneyrit. Iswi agejdan n tannayt ad nessidet s tikli n yinelmaden ma nezmer ad nesseqdec tasensegmit yettin deg uselmed n tegzi n tmenna, ma yella tarrayt-a tejbaday-d lwelha-nsen iwakken ad lemden, rnu yer-s ma teslalay-d timegleyt gar yinelmaden.

Syin akin, ilmend n wayen nwala deg tneyrit, yal amatar ad as-neg tasleđt ilmend n tamiwin akked tririyin yef yittewlen i d-asen nefka: (+),(-),(+/-). Yer taggara ad nexdem tasemlilt i yigmađ iyer nessawed. S wakka ara d-nerr yef usteqsi i d-nessumer.

4.6 Tasleđt n yinefkan n udiwenni

Deg tfakust-a, ad neg tasleđt i tririyin n yinelmaden yekkan deg termit ilmend n yisteqsiyen i d-asen-nefka. Seg tririyin n yimsulya ad d-nessufey taggayin n yal asteqsi.

Yer taggara, ad d-nesleđ taggayin-a iwakken ad d-nesken adduden akked tğensas n yinelmaden yef useqdec n tsensegmit yettin. Mi nekfa tasleđt n yinefkan ad neg tasemlilt i yigmađ iyer nessawed, deg tesleđt n yinefkan n tannayt d yimsteqsi akked wid n udiwenn.

Taggrayt

Deg uħric-a, nemmeslay-d yef usentel d tmental n ufran-ines, syin annar ideg ara neg tasastant, akken diy i d-newwi awal yef tallumt akked usissen n usatal n tsestant. Rnu nesnekwa-d tifukas n ugmar n yinefkan i nesseqdec: imsteqsi, adiwenni, irim akked tfelwit n tannayt.

Deg yixef i d-iteddun,ad tili tesleđt n yinefkan i d-negmer ilmend n tfukas i nesseqdec.

Ixef wis sin
Tasleḡt n yinefkan

Tazwert n yixef

Deg yixef-a ad neg tasleđt i yinefkan n yimsteqsi i nefreq yef yinelmaden deg tneyrit send ad yebdu leqdic akked udiwenni i nga yid-sen mi tekfa temsirt . Iswi n tesleđt n yimsteqsi iwakken ad nzer adeg i sean yizeđwa inmettiyen deg tudert tayubizt n yinelmaden d tezriit-nsen yef ulummez n tmusniwin.

Ma d adiwenni yella-d iwakken ad nzer tigensas akked wadduden n yinelmaden yef termit d tmuyliwin-nsen fell-as, nra diyen s yisteqsiyen-nni ad nzer ma yella wamek ad ttwaslemdent tangiwin-nniđen s tarrayt yettin. Ma d ayen yerzan inefkan n tannayt yis-sen ad nzer amek i d-yella usedru n temsirt si tama, si tama-nniđen nebya ad nzer tikli n yinelmaden deg tneyrit akked ubeddel n twuriwin n uselmad d unelmad dixel n tneyrit. Ma d irim yella-d iwakken ad d-negmer inefkan yef tegzi n warrat akked tezmert n yinelmaden ad xedmen leqdic s umacqaq war ma yella uselmad yer tama-nsen.

Yer taggara, ad neg tasemlilt i yigemađ iyer nessaweđ deg tesleđt n yinefkan n yal aħric ama d wid n yimsteqsi, tannayt, irim d udiwenni akken ara d-tili tririt yef usteqsi-nney n tazwara.

Tasleđt n yinefkan n yimsteqsi

Adeg n yizeđwan inmettiyen yur yinelmaden

Deg uđric-a ad neg tasleđt i yinefkan n yimsteqsi i nga deg tneyrit n uswir wis krađ n tesnawit **Imeyrasen Zennac**, yeqqaren « Tusna » imsteqsi i asen-nefreq ibedd yef tegrumma n yisteqsiyen,yal asteqsi ad as-nexdem tasleđt.

Iswi n tesleđt-nney, ad nzer ma sean yinelmaden izeđwa inmettiyen.Ma llan aniwi seqdacen akked wadeg i sean deg tudert-nsen tayurbizt .

1. Asnekwu n tallumt

Asteqsi amezwaru yerza tuzzuft d leemer n yinelmaden, wis sin timeseiwt n wallalen n teywalt d waniwi seqdacen. Wis krađ ma sean tansa taliktrunit d waniwi izeđwa imettiye n i seqdacen akked waniti tagnatin i ten-seqdacen. Ma d asteqsi wis ukkuż yerza asemres d usismel n yizeđwa inmettiye n i seqdacen, ma semrasen-ten deg tyuri akked ulmad,d wassay-n sen akked tangiwin-nniđen.

Yer taggara nefka-d asteqsi imeldi iwakken ad d-rnun yinelmaden kra n tektiwin syu sen.

Gar 27 n yinelmaden rran-d 23 yef yimsteqsi i asen-nefka. Deg tneyrit-a nufa amđan n teqcicin yugar win n warrac .Llant 16 d tiqcicin ma d arrac 7 .

Deg tfelwit i d-iteddun ad d-nesken afmiđi n teqcicin akked warrac d leemer-n sen.

Tuzuft	Afmiđi	%
Awtem	7	30%
Tawtemt	16	70%
Tagruma	23	100
leemer	Afmiđi	%
16	1	4%
17	13	57%
18	6	26%
19	2	9%
20	1	4%
Tagruma	23	100

Tafelwit ilmend n leemer d tuzuft

Nezmer ad d-nessegzi amđan n tnelmadin yufraren yef win n warrac imi tamentelt tagejdant teqqen yer ufran n tayult i đefrent deg tesnawit. S umata tiqcicin mmalent ugar yer tusna akked tutlayin ma d arrac yer tusnakt akked tsenselkimt.

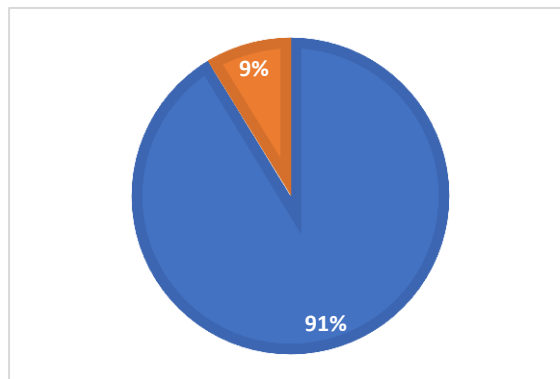
Akken i d-nebder iwsawen, iswi n yimsteqsi-ya, iwakken ad nzer ma sean yinelmaden allalen n TICE d wadeg n yizeđwa inmettiyen deg tudert-nsen tayurbizt. Dya nesteqsa inelmaden ma sean allalen n teywalt d tsenselkimt d waniwi i seqdacen.

2. Allalen umđinen d useqdec-nsen

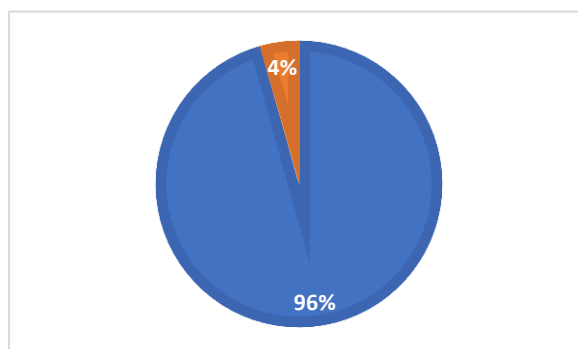
Akken nwala inelmaden n tura dđan d umhaz n tmetti ideg ttidiren rnu allalen umđinen d yizeđwa inmettiyen rran amađal d taddart mezziyen, myussanen, akk yimdanen. Akken i sean azal deg teywalt i sean tamlilt deg usiweđ n tmusniwin.

S usteqsi-ya nra ad nessidet amđan n yinelmaden yessean allalen umđinen d wid ur nesei iwakken ad nzer ma nezmer ad nexdem tirit-nney.

Deg udlif i d-iteddun ad d-nzer afmiđi n yinelmaden yesseqdacen allalen umđinen. Seg yinefkan n udlif ad neeređ ad ten-id-nessegzi akken ad asen-neg tasleđt.



Adlif amezwaru : Timeseiwt n wallalen umđinen



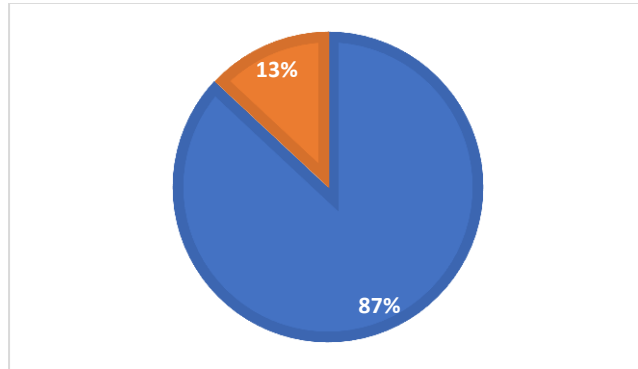
Adlif 02 :Asemres n wallalen

Deg usteqsi wis sin , timeseiwt n wallalen umđinen nra ad nzer ma sean-ten ney llan wid ur ten-nesei ara. Dya hatnan yigmađ i d-nsukkes seg yigmađ n wudlif , nettwali **91%** n yinelmaden sean allalen n teywalt d tsenselkimt, ma d **9%** ur sein ara. Annect-a yeskan-d, tuget-nsen sean allalen umđinen yerna zemren ad ten-sqedcen. Ma deg wayen yerzan aniwi allalen i seqdacen ad d-naf **96%** seqdacen imsiwel acku yur yinelmaden d allal fessusen i

useqdec yerna ur z̄zay ara, ur ȳlay ara aṭas rnu zemren ad d-agmen tamusniwin d yisallen yemgaraden deg yimir seg wukkuḻ n t̄yemmar n ddunit. Ma **4%** seqdacen aselkim acku deg yiwet n tiremt zemren ad nadin deg lantirnat, ad arun deg word rnu sean adeg ugar akken ad skelsen timsirin-nsen. Nufa-d yiwen yimsteqsi war tiririt i usteqsi-ya ahat d tatut i yettu iwakken ad d-yerr fell-as. Igmaḍ segzayen-d adeg akked txutert meqqren i sean wallalen umḍinen deg tudert n yinelmaden acku zgan seqdacen-ten deg waṭas n tayulin, amedya isnasen itiknulujiyen, tiyeryrin n uselmed i yettaḡḡan inelmaden ad mhazen ilmend n wanya n ulmad-nsen.

3. Timeseiwt n lantirnat deg wallalen d uxxam

Nefka-d asteqsi-ya iwakken ad nzer ma sean yinelmaden allalen s-zemren ad sqedcen TIC.

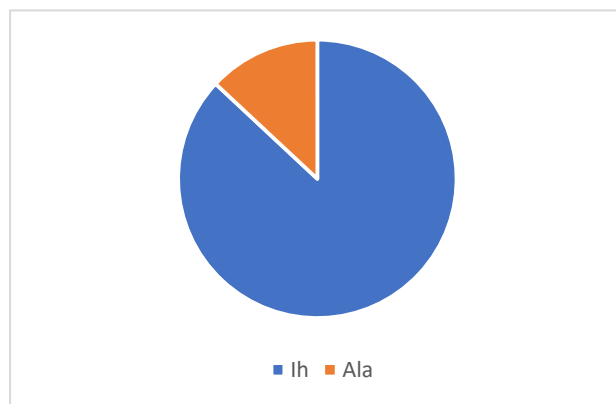


Adlif wis krađ : Lantirnat daxel n wallalen d uxxam

Hatnan yigmađ i d-nsukkes seg tesleđt n wudlif ,nettwali **87%** n yinelmaden sean lantirnat ama deg wallalen i seqdacen ama deg uxxam. Ma d 13% i d-yeqqimen ur sein ara lantirnat acku d imawlan-nsen i igedlen asekcem n lantirnat s axxam ilmend n yimihiyen i yezmer ad d-yeglu yir aseqdec-ines. Ma nessefqed yef yigmađ ad d-naf allalen kecmen tudert n yinelmaden, aya ad ay-yeđđ ad d-nini lantirnat d allal imezgi deg yixxamen akk acku mačči anagar inelmaden kan i tt-yesseqdacen maca ieggalen n twacult merra.

Aswir n useqdec n wallalen TIC

Nefka-d asteqsi-ya iwakken ad nwali tazmert n yinelmaden deg useqdec n wallalen TIC seg tama , seg tama-nniđen ad nzer ma zemren ad xedmen leqdic.



Adlif wis ukkuz : Aswir n usemres n wallalen

Hatnan yigmađ i d-nsukkes seg tesleđt n wudlif, nufa-d akk inelmaden ssnen ad sqedcen allalen n TIC, anagar 3 n yinelmaden ur nessin ad ten-sqedcen. Ilmend n tririyin-nsen

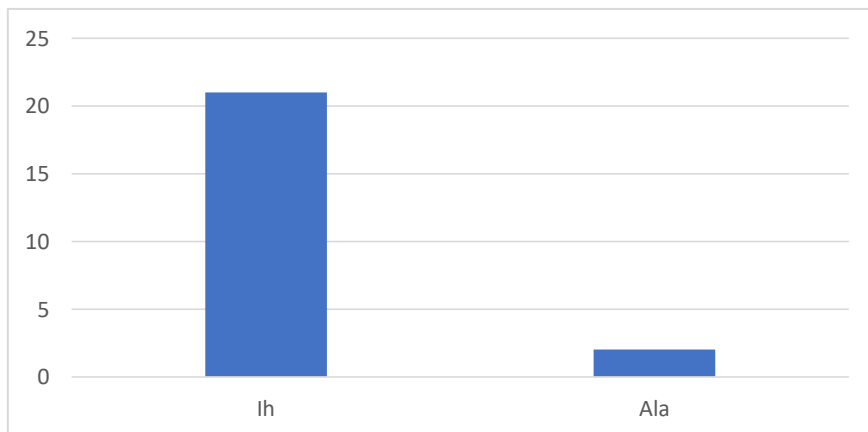
nnan-d deg tasut-nney ulac win ur nessin ad ten-yesseqdec acku segmi mezziyit nekni netturar, nettwali tibidyutin deg yimsiwal akked yiselkimen. Seg tririyin i d-yettuyalen yef usteqsi-ya ad d-nebder kra seg tamiwin-nsen:

- Yelha,
- Xusey cwiđ
- Lealit, ssney ad ten-sxedmey

Igmađ segzayen-d tuget n yinelmaden ssnen ad sxedmen allalen n TIC s wanawen-nsen yemgaraden ama d imsiwel, aselkim d wiyad acku d tasuta i d-ilulen akked tneflit tatiknulujit tatrart.

4. Timeseiwt n tansa taliktrunit

Nefka-d asteqsi ma sean yinelmaden tansa taliktrunit imi war tansa ur zmiren ara yinelmaden ad xedmen leqdic ama d wid yesean izedwan inmettiyen ney wid ur nesei. Acku s tansiwin-nsen i nezmer ad nessemres tasensegmit yettin. rnu yer waya s tansiwin akked yizedwan inmettiyen i nezmer ad neđđ assay gar-aney d yinelmaden.



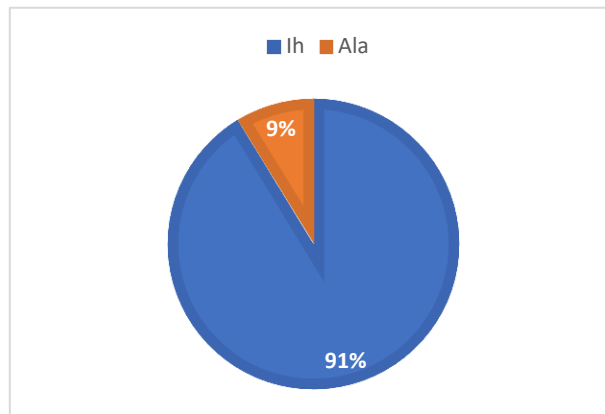
Adlif wis semmus : Tansa taliktrunit

Hatnan yigmađ i d-nsukkes seg tesleđt n wudlif , **91%** n yinelmaden sean tansa taliktrunit ma d **9%** ur sein ara tansiwin. Nezmer ad d-nini xas nufa-d **9%** ur nesei ara tansa taliktrunit maca annect-a ur d-yelli ara d aewwiq yef usedru n leqdic imi inelmaden ur nesei ara tansa walan arrat yer yimdukkal-nsen. Ilmend n yigmađ-a ad d-nini tansa taliktrunit d asaka gar uselmad d yinelmaden iwakken ad meslayen rnu nezmer ad tt-neseqdec d tiyeryert i uzuzer n temsirin d yiluyma rnu yis-s i yezmer uselmad ad yedfer amhaz n yinelmaden

iwakken ad ten-isseyti ladya deg kra n tangiwin ideg ur as-yettunefk ara atas n wakud amedya timsirin n tutlayt n tmaziyt.

5. Timeseiwt n yizeđwan inmettiyen

Yef wakken nezra, deg tasut ideg nella, ulac imdanen ur nesei izeđwan inmettiyen acku ttafen deg-sen atas n yibayuren. Deg tneyrit anida nexdem tasestant nufa inelmaden ddan akked umhaz atiknuluđi rnu sean akk izeđwan inmettiyen anagar 2 yinelmaden. Gar yizeđwan i seqdacen s wařas ad d-nebder : Instagram, Facebook, Tik tok , Youtube, Telegram.

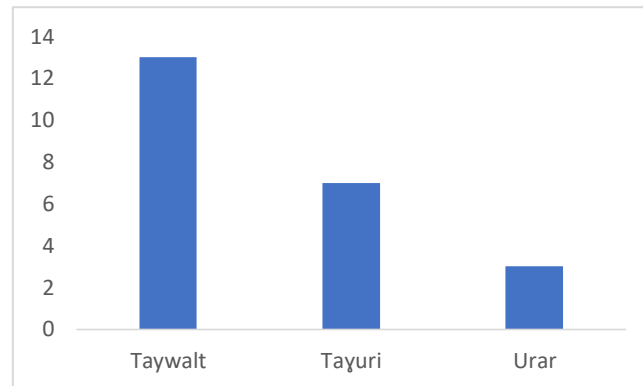


Adlif wis sđis : Afmiđi n tmeseiwt n yizeđwan inmettiyen

Hatnan yigmađ i d-nsukkes seg tesleđt n wudlif, **91%** n yinelmaden sean yerna seqdacen izeđwan inmettiyen, anagar **9%** n yinelmaden ur nesei ara. Yef wayen d-nnan yinelmaden deg tallit-nney ulac win ur nesseqdac izeđwan inmettiyen anagar ma llant kra n tsuraf ladya deg tayult n teywalt, imi yis-sen i yuřal umađal d taddart mezziyen, sseqraben imdanen, sugguten anermis gar-asen, llan wid i ten-yesseqdacen i ulmad n wařas n tlufa. Ma d sin yinelmaden ur nesei ara izeđwan inmettiyen, d imawlan-nsen i asen-igedlen ad ten-sqedcen acku zemren ad d-glun s kra n wuguren ma ur ten-sqedcen ara akken ilaq. Annect-a yeskan-d adeg i uřen yizeđwan inmettiyen yer uzayez amaynut «inelmaden» akked temlilt-nsen deg ukala n ulmad imi yer yinelmaden tawuri-nsen ur teqqin ara kan yer teywalt , rnu xas sssnen ad ten-sqedcen maca yewwi-d usiley d uwelleh-nsen yef yimihiyen i zemren ad d-glun.

6. Timental usemres n lantirnat d yizeđwan inmettiyen

Asteqsi-nniđen yerza timental n usemres n lantirnat d yizeđwan inmettiyen. Ma nserwes gar tsutwin yezrin akked tid n tura ad d-naf yella ubeddel meqqren deg umhaz n wallalen n teywalt ladya iswan n useqdec-nsen.



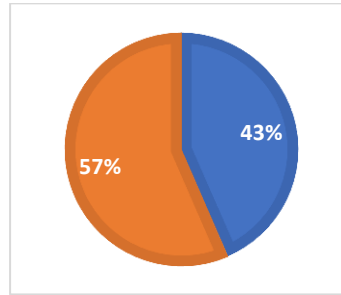
Adlif wis sa: Timental n useqdec n yizeđwan

Hatnan yigmađ i d-nsukkes seg tesleđt n wudlif, amur ameqqran **57%** seqdacen-ten i teywalt d yimdukkal-nsen. Ma d **30%** i tyuri d usnerni n tmusniwin-nsen amedya deg ulmad n tutlayin tiberraniyin am telmanit d tcinwat, ttwalin yinelmaden tibidyutin deg youtube. Rnu ttnadin ad salqin ugar timusniwin-nsen, i tegzi n tmidranin i walan deg tneyrit s unadi deg yizeđwan am (blogs, forums,atg). Drus mađi n yinelmaden i ten-yessemrasen i wurar azal n **13%**.

S wakka, ad d-nini izeđwan inmettiyen zemren ad ten-sqedcen yinelmaden deg wađas n tegnatin, rnu zemren ad seun tamliit deg ulmad-nsen d usnerni n uswir-nsen. Amedya isehtar i nettaf deg uzeđta anmetti Facebook ama yef uselmed ney yef uzyan n yidrisen iseklanan (Kenza Kebdi, Takfarinas Ait Chabane, Nisma Tigrine,atg). Akken diy ara naf tirmiteqdem Bouguerra Maroua d yinelmaden n uswir wis sin n uyerbaz alemmas deg temdint n Msila anida tefka udem-nniđen i uselmed s usidef n uzeđta anmetti facebook dixel n tneyrit iwakken ad tesselmed tamsirt n tegzi n tmenna.

7. Aseqdec n lantirnat deg ulmad

Nefka-d asteqsi-ya acku deg tririyin n usteqsi yezrin nwala inelmaden ur semrasen ara lantirnat d yizeđwan inmettiyen anagar deg teywalt maca sean tamliit deg ulmad-nsen.



Adlif wis řam Lantirnat deg ulmad

Hatnan yigmad iřer nessawed seg tesleđt n wudlif, **43%** ttissinen tutlayin tiberraniyin. Ma d **57%** ttnadin řef tmusniwin yerzan tangiwin i qqaren deg tneyrit ama: d tusnakt, amezruy, tusna akken diy i ttnadin řef yigzulen n temsirin deg yigrawen yellan dixel n yizeđwan inmettiyen.

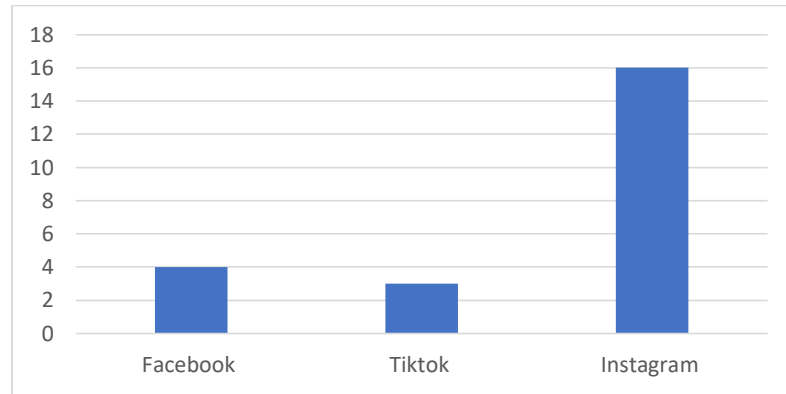
Dya nezmer ad d-nini asiley yeffey akkin i tlisa n uřerbaz imi inelmaden ur ttkalayen ara kan řef tmusniwin i d-yettak uselmad deg tneyrit maca ttnadin deg yigrawen n yizeđwan inmettiyen, amedya « agraw yezdin merra iselmaden », asebter n Massa Tamaziřt Musawi akked tbdyutin yellan deg youtube war ma nettu asnas alikřuni²⁹ yellan deg yimsiwal am tin i d-yesbedd uselmad Iften Tarik « **adlismesli** », d yiwen n usenfar yerzan tařuri n yidrisen n tsekla s tutlayt n tmaziřt.

Ihi, ilmend n yimediyaten-a aselmad yezmer ad yesseqdec iřeđwan inmettiyen akked wallalen umđinen iwakken ad yesselmed yes-sen tangiwin yemgaraden, ur yetřafar ara kan ayen yellan deg wahilen n yidlisfusen ney tefrayin tisnedwalin.

8. Asismel n yizeđwan inmettiyen ilmend n txutert-nsen

Imi uggten yizeđwan inmettiyen i semrasen yinelmaden, nessuter deg-sen ad ten-sismen ilmend n wazal i řean řur-sen. Iřeđwan inmettiyen řřfen adeg meqqren deg tudert n yinelmaden. Amedya Facebook, Tiktok, Instagram, yal yiwen s tulmisin-is akked twuriwin-is, maca ayen i ten-yezdin akk d taywalt.

¹ *Applications řlectroniques



Adlif wis tza: Asismel n yizeđwan ilmend n txutert-nsen

Ilmend n yigmađ n wudlif-a mgaradent tririyin n yinelmaden. Ad d-naf amur ameqqran sexdamen Instagram, azal n **70%**, syin yedfer- it-id Facebook s **17%** yer taggara, **13%** seqdacen Tiktok.

Deg usteqsi-ya inelmaden sean tilelli iwakken ad fernen ugar n yiwet n tririt. Ilmend n yinelmaden, Instagram d azeđta anmetti i seqdacent tsutwin n tura, yufrar-d ugar n wiyid acku deg usemres yettak anzi yer Facebook maca d netta i isehlen ugar i usemres. S umata seqdacen-t yinelmaden i wađas n tmental, amedya i uzuzer n tewlafin-nsen, ameslay d yimdukkal daxel n yigrawen maca iswi agejdan n useqdec-ines iwakken ad đefren tameddurt n yimdanen mucaeen am yinaddalen i hemmlen, imyura d yicennayen akken i d-ttilint tbiđyutin i udellel n kra n tyawsiwin. Ma d azeđta inmetti Facebook, ilmend n tririyin-nsen, tura ur t-seqdacen ara ađas. Anagar wid yeddan deg leemer imi ur yesei ara ađas n yibađuren am Instagram, yettili kan i teywalt d uzuzer n yisallen. Ma d azeđta anmetti Tiktok, yennulfa-d asmi d-iban wađtan n Corona, acku deg tallit-nni yerra-ten lđal yimdanen ad qqimen deg uxxam dya sedhayen iman-nsen s tbiđyutin i ttwalin deg-s.

Seg yigmađ-a ad d-nini tuget n yinelmaden ssnen amađal alikđruni akked yizeđwan inmettiyen yemgaraden, acku yal ass rezzun fell-asen iwakken ad d-awin isallen deg yimir-nni si tama. Si tama-nniđen tđafaren ddeqs n yimdanen deg wađas n tyawsiwin ama d anaw n tmeddurt ney iselsa d wuđđi ilmend n teztirt i sean fell-asen.

Asteqsi aneggaru

Yer taggara, nefka-d asteqsi imeldi, deg-s nessuter inelmaden ad d-fken timuđliwin-nsen yef useqdec n lantirnat akked tyuri, hatnta kra n tririyin i d-negmer:

Ams.1 « ... Seg tama-w imsiwel ḡarey-t yetteawan lēebd d yinelmaden, llan leibad tthufun aṡas yef tmusni s waṡas, acku kullec yella ad yeereḡ yiwen ad ikteb kan yef wacu yetthufu. »

Ams.2«Ttwaliy d akken amswel yetteawan amdan s umata, anelmad deg tyuri-ines, deg lweqt a 2024 ulac win ur yesein ara les réseaux sociaux, nekk d yiwet i t-yessexdamen am Instagram,Facebook,Youtube, deg tyuri-inu ney ad meslayey akked temddukal-iw.Tamaziyt d tutlayt-iw i t-tmeslayey akked ḡarey-tt, deg-s id-anekker am tmucuha n jidda ney isefra.»

Ams.3«Tayuri s yiḡeḡwan inmettiyen tgerrez s waṡas acku anelmad ad yeseu akud iwakken ad iēawed i wayen yeyra deg la classe yerna ad yeseu lweqt ad yexdem irmad-nniḡen, maca llan yyinelmaden ḡḡaren d akken tayuri s yiḡeḡwan inmettiyen ur ten-tesueed ara laxaṡer llan wid ur yesean ara l'internet ney allalen am imsiwel s wacu ara ḡren»

Ams.4« Nekk ḡerrey lealitt leqraya s la connexion d les réseau sociaux maca ilaq ad nissin amek ad ten-nessexdem »

1

¹ *Tiririyin-a d tid i d-nekkes seg yifuras n yinelmaden.

Tasemlilt n uḥric

Seg yigmaḍ n yidlifin i d-nsukkes, nezmer ad d-nini s̄an yinelmaden tiwtilin akked wallalen i wulmen i useqdec n tsensegmit yettin. Akken diy i d-skanent tmuyliwin i d-negmer aqbal-nsen iwakken ad lemden s tarrayt-tasensegmit- nniḍen, rnu iban-d lebyi-nsen ad tikkin deg tirit tamaynut.

Tasleđt n yinefkan n udiwenni

Timuyliwin d wadduden n yinelmaden

Tazwert

Tafakust tis snat i nesseqdec d adiwenni, iwakken ad nzer tigensas akked wadduden n yinelmaden yef useqdec n tsensegmit yettin deg tneyrit-nsen. Tuget n yisteqsiyen d imeldiyen dya tasleđt ad tili d tayarant. Deg yal asteqsi ad d-nessufey amđan n tririyin, syin ad d-nefk isegziyen i yal yiwen.

Nexdem adiwenni yer taggara n temsirt akked 08 n yinelmaden yekkan deg termit iwakken ad nzer timuyliwin akked wadduden-nsen mi sqedcen anekmar asensegmi amaynut deg ulmad-nsen.

Tasleđt n yinefkan n udiwenni d yinelmaden

Asteqsi 1: Tamuyli n yinelmaden yef wazal n tegzi n tmenna

Yella-d usteqsi-ya iwakken ad nzer ma ttarran yinelmaden azal i temsirt-a ney smenyifen tiyađ ugar. Mi d-rran yinelmaden yef usteqsi-ya, nufa-d snat n taggayin.

Tixutert n tegzi n tmenna

Tigzi n tmenna d tarmudt i nettaf deg tazwara n yal asenfar, dya tesa tamlilt meqqren deg usnerni n tzemmar n yinelmaden ama d taywalt ney d timesliwt.

Imsulya n taggayt-a mtawan yef txutert n tegzi n tmenna, hatenta tririyin-nsen:

Ams.1: « *Ih tesa azal **puisque** nheffet awalen ijdiden* »

Ams.2« *Ih tthibbiy tamsirt-ayi acku ur llin ara bezzaf les **exercices** zyes.* »

Ams.3: « *Nekk deg tamsirt-ayi kan i tafey iman-iw axađer yal tikkelt aselmad yettawi-d **les sujets** d ijdiden*»

Ams.4« *lealit temsirt-ayi acku tiswiein aselmad yettađa-yay ad neel leqdic sin sin* »

Seg tririyin-a nesukkes-d taggayt «Inelmaden smenyifen tigzi n tmenna» acku ttwalin lemnden amawal amaynut rnu gemren-d timusniwin yef yisental yemgaraden.

Ma deg taggayt tis snat “inelmaden smenyifen tirmad-nniđen yef tegzi n tmenna” ilmend n wařas n tmental, hatenta tririyin-nsen:

Ams.5 « *Nekk řerrey tarrayt n uselmad-nney ur ař-tsuęed ara imi segmi ara yeqqar uselmad ađris ur as-nessal ara, neggan deg tneyrit, drus maři widak i as-yessalen.* »

Ams.6: « *Tiswięin ađris i yessexdam uselmad-nney ur t-nfehhem ara s shala **obligę** ad ilint **les images** waři ssut bac ad nefhem **bien.*** »

Ams.7: « *Deg tneyrit, tiswięin ur nettabae ara aselmad acku isental i yettextiri s umata ur ař-ęęęben ara.* »

Ams.8: « *Gar temsirin ikkel, nekk tthibiy afares s tira acku segmi lliy d tamezyant nekk xeddmey **l’ęcriture.*** »

Akken i d-yettban deg tririyin n yinelmaden-a, ad d-naf 04 n yinelmaden fkan azal i temsirt n tegzi n tmenna, ma d 04 smenyifen timsirin-nniđen.

Seg tririyin-a nsukkes-d taggayt « **Tigzi n tmenna ur tesęi ara tixutert maca llant temsirin yesęan tixutert ugar**», acku ttwalin yinelmaden tarrayt yesseqdac uselmad-nsen akked yiđrisen i d-yettawi yer tneyrit ur d-zgin ara d tilawt-nsen tanmettit akked wassuren-nsen yef waya ur seęęun ara lebyi ad yren tamsirt-a, tin yur-s llan yinelmaden ur nessawađ ara ad gzun agbur n uđris war ma walan tugniwin ney iferdiseni iziđrisanen i izemren ad eiwnen inelmaden deg tegzi n warrat.

Agmuđ

S wakka, nezmer ad d-nini xas tarmudt n tegzi n timawit tettekki deg ulummez n tutlayt i tebyu tili, akken i tesnernay diy tifukas n tmesliwt yef yinelmaden maca seg tririyin n udiwenni i nga d yinelmaden nufa-d ilaq ad ilint twetlin akked teginatin i ilaqen iwakken ad uyalen ad asen-teęęeb temsirt-nni am useqdec n yisulal ara ten-yesseęlin, afran iwatan i yisental ilmend n tilawt tanmettit n yinelmaden.

Timezriwt n tbiđyut

Nefka-d asteqsi-ya wis sin “**Mi twalam tabiđyut deg uxxam tegzam-tt s shala ney tuęer-awen? Aęhal n tikkal i as-tawdem timesliwt?**” akken ad nessidet ma walan

yinelmaden arrat i asen-nuzen. Seg usteqsi-ya nufa-d yiwet n taggayt maca tella-d tsureft imi yiwet n tnelmadt ur tessaweđ ara ad twali leqdic.

Ams.1: «*Ih walay tavidyut ieğeb-iyi sujet f wacu id hedder **puisque** nekk tthibiy amezruy, walay tavidyut azal n **02 fois***»

Ams.2: «*Ih walay-tt, azal n tikkelt kan acku teshel **la langue** s wacu ihedder awalen-is sehlen yerna nekk hemmley ayen yeenan amezruy n tmurt-iw. »*

Ams.3: «*Walay **la vidéo** azal n **06 fois** acku deg tazwara mi ihedder bezzaf yettazzal ur zmirey ara ad tfey acu yellan essentiel. »*

Ams.4: «*Zriy tavidyut nnig n 07 tikkal acku **la façon** s wacu ihedder mačči am nekkni ur fhimey ara **bien au début après** mi ssaley atas qley fehmeý. »*

Ams.5: «*Nekk ferğey **la vidéo** 3 iberdan iwakken ad fehmeý **bien.** »*

Ams.6 : «*Walay tavidyut 4 iberdan acku deg tazwara ur fhimey ara **bien après** cwit cwit bac fehmeý.»*

Ams.7 : «*Nekk ur walay ara tavidyut deg uxxam acku ur seiý ara instagram maca ceyeen-iyid yimdukkal leqdic yer **Gmail** mi d-wwđey yer **la classe** ferğey-tt akked yimdukkal-iw .»*

Ams.8 : «*Ih walay tavidyut d taxlaft.»*

Tasemlilt

Seg tririyin yef usteqsi i asen-nefka i yinelmadn nufa-d anagar yiwet n taggayt « Inelmaden akk žran arrat yerna gzan-t », maca tella-d tsureft imi snat n tnelmadin ur walant ara leqdic, ur tesei ara azetta anmetti istagram , walant-tt yer yimdukkal-nsent deg tneyrit.

Agmuđ

S wannect-a nezmer ad d-nini inelmaden sean tiwtilin i ilaqen iwakken ad žren arrat am lantirnat, tansa taliktrunit Gmail. Annect-a yeskan-d tamlilt n lantirnat d yizeđwan deg uzuzer n tmusniwin. Si tama-nniđen ad d-naf afran n tbidyut mezziyen yesa tixutert meqqren deg ujbada n lwelha n yinelmaden d asmi ad d-naf kra n yinelmaden ullsen-as timesliwt nnig n

kraḍ n tikkal , annect-a yetteawan-iten deg tuṭṭfa n tezmilin akked usnerni n tfukas n tmesliwt. Imi tazmert n tegzi n tmenna tekkat ad d-tesnerni deg yinelmaden tifukas n tmesliwt.

Ma sean yinelmaden tiki yef usentel n tbiḍyut

Nekfa-d asteqsi-ya iwakken ad nzer ma sean yinelmaden tizemmar tidelsanin akked tmusniwin yerzan amezruy n tmurt-nsen. Ilmend n tririyin nufa-d snat n taggayin.

Sean tiki yef usentel n tbiḍyut

Ams.1:«*Ih seiḡ uqbel les idées acku tṭhibiy amezruy mliḥ rnu sliḡ yakan s tedyat-nni f wacu i d-hedder la vidéo.*»

Ams.2: «*Ih ferḡey tavidyut yerna neqra-t déjà g le cours l’histoire waḥi taselmadt-nney.*»

Ams.5.:«*Ih ssney amezruy n tmurt-nney sliḡ s watmaten Barbarus d acu nekk yur-i ur εawnen ara Bgayet mliḥ puisque steemren-ay am Fransa indirectement.*»

Ams.6:«*Sliḡ déjà f wamaten εerruḡ waḥi d Xir d din mais jamais sliḡ f lqelea n at εebbas ur tt-ssiney ara almi walay la vidéo.*»

Seg tririyin-a nsukkes-d taggayt «**sean yinelmaden tiki yef tbiḍyut** » acku ḥemmlen tanga n umezruy rnu deg-s i lemden yef tallit n Yiterkiyen akked temlilt tagejdant n watmaten Barbarus deg uslelli n Bgayet.

Ma d taggayt tis snat « Ur sein ara timusniwin yef usentel n warrat », hatnta tririyin-nsen:

Ams.3: «*Seiḡ timusniwin s waṭas yef les royaumes amaziy waḥi d igelliden-nsen ma d amezruy n Lezzayer mačči atas anagar kan tagrawla waḥi l’indépendance i ssney*»

Ams.4: «*Nekk ssney Lalla Fatma n’Sumer waḥi Masinisa acku wiyak ayi d ssaḥ d imaziyen am nekkni*»

Ams.7: «*Ssaḥ kan nekk ur ssiney ara uqbel tadyant f wacu i d-tewwi tavidyut.*»

Ams.8: «*Sliḡ s watmaten-a deg tezlit n uleḥlu arraw n tlelli maca ur tt-gziy ara imir-nni almi walay tavidyut-ayi*»

Ma d taggayt tis snat « Ur seın ara timusniwin yef usentel n warrat », imi Ƴur-sen tamurt n Lezzayer d tamazya, d imaziyen i d ayref amezwaru i yellan deg-s d asmi bedren-d tigeldiwin timaziyin akked yismawen mucaeen deg talliyin-nni.

Seg tririyin n yinelmaden nsukkes-d snat n taggayin: «wid yesean timusniwin yef usentel n tbiyut» akked «wid werġin slan ney seın timusniwin fell-as»

S wakka ad d-nini tuget n yinelmaden slan yakan yef tedyant i d-tewwi tbiyut ama deg tangiwin i lemden am umezruy acku tella-d temsirt deg wahil ayurbiz yef Tallit n Yiterkiyen d traḡat i xedmen, maca nezmer ad d-nini inelmaden ur d-ttawin ara timusniwin anagar deg wayen qqaren deg uyerbaz maca ula seg tezlatin akked yiḡbula-nniḡen.

Ma xedmen yinelmaden leqdic

S usteqsi-ya nebya ad nzer ma ssawḡen yinelmaden ad d-rren yef yisteqsiyen i asen-nefka, akken diy i nebya ad nzer ma gzan tabidyut. Ilmend n tririyin-nsen nufa-d yiwet n taggayt kan maca tella-d yiwet n tsureft. Hatenta tririyin-nsen:

Ams.1: «*Xedmey leqdic iman-iw acku yeshel.* »

Ams.2: «*Xedmey azgen n leqdic kan acku ur d-yeġfi ara lweqt bac ad qray d'autres matières*».

Ams.3 :« *Ur eilley ara bezaf les questions acku seiġ devoir obligé as prépariy chouia.* »

Ams.4 :« *Eilley leqdic waḡi wetma tsefhem-iyid kra leḡwayeġ.* »

Ams.5 :« *Nekk eilley leqdic iman-iw kan acku deg uxxam ur qran ara bezaf imawlan-iw xedmey ayen ssney kan rnu ḡuffey deg udlis n umezruy.* »

Ams.6 :« *Eilley leqdic acku yewwi-d yef umezruy n tmurt-iw yernu tḡhibiy ad qqrey fell-as.*»

Ams.7 :« *Nekk eilley leqdic waḡi tamdakkelt-iw puisque ur ssiney ara atas taqbaylit acku qray uqbel g l'école privée.* »

An8:«*Nekk ur eilley ara leqdic deg uxxam acku ur walay ara tavidyut waḡi les questions donc uelimey ara d acu ad eilley* ».

Seg tririyin i d-negmer ad d-naf tuget n yinelmaden xedmen leqdic imi ħemmlen tanga n umezruy, maca llan wid ur nexdim ara leqdic akemmali acku llan sewjaden i yikayaden d asmi ur sawċen ara ad kfun akk tirmad.

Ihi nezmer ad d-nini ilmend n tririyin n yinelmaden, sean lebyi meqqren deg utekki imi yella-d usidef n lantirnat d uzeċċa anmetti instagram si tama. Seg tama-nniċen ad d-naf tawennaċt n ulmad: deg uxxam, d tin i ten-ieawnen imi sawċen ad sutren talellt seg yięeggalen n twaculin-nsen , rnu zemren ad saqlin inadiyen-nsen ugar yeċ tmsniwin i byan ama deg yidlisen ney lantirnat.

Seg yigmaċ-a ad d-nini timusniwin ur llint ara kan yer uselmad acku ma nefka allalen akked tegnatın i ilaqen i unelmad ad yili d afulman yezmer ahat ad d-yeglu s tmsniwin werċin yessin uselmad-ines . Imi ad d-naf tuget n tezriyin n ulmad (constructivistes akked socio-constructivisme zgant qqarent-d ilaq ad yili unelmad d asaċ deg lebni n tmsniwin-is, d amasay yeċ usiley-ines.

Ma sawċen yinelmaden ad walın tabidyut war ma mlalen uguren

S usteqsi-ya nra ad nzer ma sean yinelmaden allalen akked lantirnat s wayes-s ad walın leqdic. Ilmend n tririyin-nsen nufa-d yiwet n taggayt kan d yiwet n tsureft.

Ams.1: «*Walay tavidyut s shala acku deg uxxam nesęa l'wifi waċi les PC, tablettes.* »

Ams.2: «*Zriy tavidyut deg telphone n mama acku nekk qeċeen-iyi deg uxxam ad sxedmey les reseaux sociaux.* »

Ams.3 :«*Ferċey la vido d acu bessif puisque ixus reseau waċi la connexion.* »

Ams.4 :«*Ur d-mlaley ara uguren acku nesęa la connexion g uxxam.* »

Ams.5«*Walay la vido, ulac uguren.* »

Ams.6«*Walay ara la vido.* »

Ams.7«*Walay la vido imi seiċ la connexion g telphone iw seiċ l'abonnement* »

Ams.8:«*Ur walay ara la vido almi d-wwċey yer la classe acku ur seiċ ara instagram waċi les reseaux nniten.*»

Seg tririyin n yinelmaden ad d-nesukkes yiwet n taggayt : « walan yinelmaden tabidyut » imi i merra-n sen seān lantirnat deg uxxam akked wallalen i ilaqen. Maca nufa-d snat n tnelmadin ur nessawed ara ad walint leqdic acku ur seint ara tuqqna deg uxxam akked yizedwan inmettiyen.

Ihi nezmer ad d-nini tawtilt tagejdant iwakken ad yili useqdec n tsensegmit yettin yesra i wallalen akked tuqqna ama deg uxxam ney deg yidgan-nniḡen.

Ma fessus ney yuḡer leqdic

Yella-d usteqsi-ya iwakken ad nḡer ma zemren yinelmaden ad ḡren iman-n sen war ma yezga uselmad ḡer tama-n sen Ilmend n tririyin-n sen nufa-d snat n taggayin.

Taggayt tamezwarut : « Yeshel leqdic »

Ams.1 : « *Yusa-yid leqdic yeshel acku maḡḡi d ayen yuḡwaḡen bezzaf uxemmem ad nsel kan i la vidéo wa ad nerr ḡef les questions.* »

Ams.2 : « *Nekk ttwaliḡ leqdic ur yuḡer ara acku ma netbee bien la vidéo ad nefhem bien f wacu i tt-hedder rnu nemeāwan cwia nekkni d imdukkal-nney deg ugraw.* »

An3 : « *En général nekk ama deg la classe ney axxam qqeray iman-iw ur d-ttemlaqay ara uguren*»

Ams.4 : « *Nekk je préfère ad qray akka acku deg la classe bezaf leḡyat* »

Taggayt tis snat « Yuḡer leqdic », hatenta kra n tririyin n yinelmaden :

Ams.4 : « *Nekk je préfère ad qray akka acku deg la classe bezaf leḡyat tiswiḡin aselmad ur yesḡi ara lweqt bac ad yerr ḡef yisteqsiyen-inu ma mazal ur fhimey ara* »

Ams.5 : « *Deg temsirin-nniḡen ur d-ttafey ara uguren acku neḡa manuel scolaire qeray zyes mais akkayi ttuḡwaḡey aselmad acku am tvidyut-nni llan wawalen ur fhimey ara.* »

Ams.6 : « *Nekk yuḡer-iyi cwiya leqdic axaḡer ur nnumey ara qray iman-iw.* »

Ams.7 : « *Nekk tḡhibiy asma ad yili uselmad acku ma seiy iteqsiyen ad d-yerr sur place.* »

Ams.8: « *Axir asma ad yili uselmad acku nekk ttemlaqay toujours les problèmes waħi la compréhension.* »

Seg tririyin llant snat n taggayin wid i izerren leqdic yeshel akked wid i d-yufan uguren iwakken ad t-xedmen. Timental tigejdanin i εawnen ad yishil leqdic: tefses n warrat akked yisteqsiyen, azwu yelhan i tyuri acku ulac isuyan akked leqdic imezdi gar yinelmaden deg ugraw. Ma d iferdisen i yeğġan leqdic ad d-iban yuεer i yinelmaden ad d-nebder: awalen yuεeren i tegzi, tannumi n yinelmaden akked tihawt n uselmad maca annect-a ur ten-yetteawan ara iwakken ad snernin tifulment-nsen, rnu yer-s ugur n umacqaq acku ur zmiren ara ad d-fken yinelmaden isteqsiyen-nsen srid i uselmad.

S wakka ad d-nini igmađ-a skanen-d atas n yimataren i izemren ay-yallen deg usedru n temsirt ladya leqdic imezdi i tekkin deg usnerni n tnezzarit gar yinelmaden amedya leqdic yexdem uselmad n takrura Eric Mazur akked yinelmaden-is s umahil «Peer instructions » ney almad s tallelt n wiyad.

Ilmend n temsirt n wass-a, teėġeb-awen ney ala? D acu n tmuylwin tesεam ad tent-id-ternum fell-as?

S usteqsi am wa, nra ad nzer tigensas d tmuylwin n yinelmden akked tmental ara ten-yeğġen ad ħemmlen ney ad yunzun tarrayt-a s tikci n yifukal akked yimeddayten. Ilmend n tririyin n yinelmaden ad d-naf snat n taggayin: wid iwumi teėġeb tarrayt akked wid yellan mgal.

Taggayt tamezwarut: « Teėġeb-asen tsensegmit yettin »

Ams.1: « *Tarrayt-ayi teėġeb-iyi acku ur nesruhuy ara bezaf lweqt, la séance tettas-d d taxfaft yerna ma yehlek unelmad yezmer ad ieiwed ad izer timsirin deg uxxam puisque d la vidéo as ieiwed aferreġ aħal n tikkal* »

Ams.2: « *D Taxlaft tarrayt-ayi acku nqerra en même temps netthuf f les information yernu nettissin bezaf leħwayeġ.* »

Ams.3: « *Akken i nesea lweqt i leqraya yezmer ad yeqqim lweqt bac ad neel les formations i nebya bac ad nawi diplôme nniten .* »

Ams.4:«Lealit ma tekcem yer yiyerbazen bac sbeħ ad neqqel ad nqerra azgen wass deg uyerbaz ma tameddit ad nesteefu cwiya wa ad nkemmel legraya g uxxam ukan **au moins** nezmer ad nqerra s **la méthode**-ayi waħi **les matières** ikkel.»

Ams.5:« S **la méthode** ayi tettawet tikti s shala ur netteneettab ara bezzaf bac ad nruħ yer lğamee yernu deg **la classe** s umata neeyyu ur netthibbi ara as nessal kan i **le prof** ihedder bessif itteedday lweqt»

Ams.6 : « Nezmer ad nqerra **à distance** s ttawil n **zoom** ney izeđwa inmettiyen maca ilaq ad yili **sérieux** ulac astehzi.»

Taggayt tis snat : « Iewwiqen n tsensegmit yettin »

Ams.7:«Nekk ttwaliy tarrayt-ayi tesa ayen leali d ssaħ meena ur zmiyey ara ad steqsiy aselmad-iw srid ayweq byiy.»

Ams.8:« Nekk zerrey tarrayt-a tsued inelmaden yellan deg temdint acku tella **la connexion** maca wid i izedyen deg taddart ur sein ara allalen d l'internet yerna llan kra yimawlan ur nqebbel ara asekcem **la connexion** s axxam puisque ttagaden yef dderya-nsen.»

Seg tririyin-a nsukkes-d taggayt « **Ağab n tarrayt i yinelmaden** », acku atas n yibayuren i tezmer ad d-tawi i unelmad ama yef usiweđ n tmusniwin ney tefses n temsirt d wakud yetteeddayen s lemyawla. Rnu asnerni n tifulment-nsen imi d urmiden deg teyzi n temsirt ma nserwes yer tneyrit ideg aselmad yettmeslay kan yerna yessawađ-d timusniwin war ma yefka tagnit i yinelmaden ad nadin fell-asant. Ma d taggayt tis snat, terza inelmaden i d-yemlalen iewwiqen deg useqdec n tsensegmit yettin, amedya: uguren n tuqqna d wallalen, amacqaq d uneremis ur nelli ara srid d uselmad.

Tasemlilt n uħric

Ihi ilmend n tririyin n yinelmaden, nufa-d nat n taggayin, llan yinelmaden i yettafen lebyi-nsen deg temsirt n tegzi n tmenna acku lemnden amawal amaynut, sellen i yinawen yemgaraden. Ma d taggayt tis snat smenyifen ugar tirmad n ufares s tira akked tjerrumt imi deg temsirt n tegzi n tmenna ladya s useqdec n tarrayt tamensayt i yessexdam uselmad-nsen tettağga-ten ad ilin d irurmiden deg teyzi n temsirt. Yef waya smenyifen timsiren-nniđen.

Deg wayen yerzan timezriwt n tbiđyut akked tegzi-ines, ad d-naf tuget n yinelmaden walan-tt maca ur tt-gzin ara s shala almi i asen-ulsen timesliwt.

Akken diđ i d-nufa drus n yinelmaden ur nwala arrat ilmend n kra tmental am wugur n tuqqna, timeseiwt n lantirnat d wallalen umđinen deg yixxamen, maca ur d-yelli ara d aewwiq yef useđru n leđdic imi wid ur nwala tabidyut sawđen ad tt-walin yer yimdukkalnsen. Ma nmuqel yer ugbur n warrat, nufa tuget n yinelmaden sean yakan timusniwin yef usentel maca llan wid ur nessin ara tidyanin akked yiwudam yellan deg tbiđyut. Seg tamanniđen nwala llan kra yinelmaden yessawđen ad xedmen leđdic iman-nsen, llan wid i tixedmen s tallelt n twaculin-nsen neđ d yimdukkalnsen. Annect-a yeskanay-d mačči anagar ma yella uselmad yer tama n yinelmaden ara d-rren yef yisteqsiyen imi aseqdec n lantirnat yesea diđ tamlilt deg usnerni n twenafit n yinelmaden deg unadi. Yer taggara, ilmend n tesleđt n udiwenni nessawed ad d-naf tuget n yinelmaden sean tigensas akked tmuyliwin yelhan yef useqdec n tsensegmit yettin deg tneyrit-nsen, rnu sumren-d akken ad yili uselmed n tangiwinniđen s useqdec-ines.

Tasleđt n yinefkan n yirim

Tigzi n tmenna

Deg uđric-a, ad nexdem tasleđt i tririyin n yinelmaden yef yisteqsiyen i asen-nuzen seld mi walan tbiđyut.

Deg tazwara nura-d yal asteqsi d tririt-ines, yes-sent nra ad nessidet tigzi n yinelmaden i ugbur n warrat si tama. Si tama-nniđen ad nzer ma zemren ad ad xedmen leqdic war aselmad.

Mi mtawan yinelmaden yef uzeđta anmetti ara sqedcen deg termit, lđin yiwen n ugraw dixel n uzeđta anmetti Instagram, acku seqdacen-t akk yinelmaden. Mi nwala akeččum n yinelmaden yer ugraw, nuzen-asen tabiđyut ara walin azal n krađ n tikkal ney ugar ilmend n wayen sran. Syin nuzen-asen azal n 10 yisteqsiyen yef tigzi tamatut n uđris imi yes-sen nebya ad nzer ma zemren ad snekwun yinelmaden isallen uzzigen rnu ma gzan anamek n warrat. Ma d tarmudt n taggara, nefka-asen tamelmadt iwakken ad gen agzul i warrat iwumi slan ilmend n wayen gzan s umawal-nsen war ma ulsen i wayen yellan akk deg tbiđyut.

Deg yirim-a nesseqdec yiwen n usalel aslizri, d tabiđyut i d-newwi seg youtube, s uzwel « Tagelda n At Eebbas: Kuku, Eerruđ d Yičetmaniyeen », nuzen-itt i yinelmaden n uswir wis krađ n tesnawit.

S umata rran-d yinelmaden yef yisteqsiyen akk anagar krađ n yinelmden ur nexdim ara agzul i uđris.

Deg wayen i d-iteddun ad nwali isteqsiyen i asen-nefka.

Asteqsi 1 : D acu d asentel amatu n tbiđyut-a ?

Nefka-d ateqsi-ya iwakken ad nzer ma ssawđen yinelmaden ad gzun yef wacu i d-yewwi warrat.

Tiririyin-a skanent-d inelmaden sawđen ad gzun arrat .Hatenta kra n tririyin :

An.1: Deg tviđyut-a tebya ad ay-d-meslay yef wamek i tekcem Lezzayer ddaw leħkem n Yičetmaniyeen.

An.2: Ayeen yeđran deg temnađt n Lezzayer mi d-yusa Xirdin akked Eerruđ.

An.3: Tagelda n At Ebbas (kuku, ƣerruđ d yiƣetmaniyen)

An.4: Asentel amatu d tidyanin yeđran di Lezzayer seg useggas n 1510 armi d 1525.

Ilmend n tririyin n yinelmaden ad d-naf ttemsemmadent yerna zgant-d d ugbur n tbdyut. Seg tririyin-a nezmer ad d-nini sean yinelmaden tikti yef warrat yerna gzan yef wacu i d-yewwi, acku fkan-d tiririyin i isehhan.

Asteqsi 2: Melmi teyli Bgayet gar yifassen n Spenyul?

An.1: Teyli Bgayet gar yifassen n Spenyul 1512.

An.2: Teyli deg useggas n 1510.

An.3: Teyli Bgayet gar yifassen n Yispenyuliyen deg useggas n 1510, d sin watmaten i ten-iaawnen, ismawen-nsen Xirdin wađi ƣerruđ Barbarus.

An.4: Teyli Bgayet deg 1510, lamir Bubker yessawel i terbaet n yibehriyen ad t-eiwnen.

Seg tririyin-a nwala inelmaden mtawan akk yef yiwen n uzemz maca anagar anelmad amezwaru i d-yefkan tiririt-nniđen, akken diđ i d-nufa tiririyin n unelmad wis krađ d wis ukkuđ d tummidin ma nserwes-itt yer tiyađ.

Annect-a yeskan-d azal n wallus i tmesliwt n warrat acku skud ssalen yinelmaden i warrat ađal n tikkal zemren ad snekwun s tefses iferdisen igejdanen n tbdyut.

Asteqsi 3 : Amek ismawen-nsen sin watmaten i iaawnen Lamir Bubker iwakken ad hllin Bgayet ?

An1 : ƣerruđ, Xirdin.

An2 : Semman-asen ƣerruđ d Xirdin.

An3 : Ismawen n sin watmaten i iaawnen Lamir Bubker iwakken ad hllin Bgayet d ƣerruđ akked Xirdin.

An4: ƣerruđ d Xirdin i iaawnen Lamir Bubker.

Seg tririyin-a,nettuali amtawa n yinelmaden yef yiwet n tririt, acku llan wid i ixedmen leqdic d yimdukkal-nsen.

Asteqsi 4: Amek i as-qqaren i tqeļeet n Yiwannuyen ass-a?

An1: Qqaren-as i tqeļeet n Yiwannuyen ass-a, Azru n Lezzayer.

An2: Ass-a qqaren-as taqeleet n At eebbas.

An3: Taqeleet n At eebbas.

An4: Qqaren-as Lqelea n Ait Eebbas.

Ilmend n tririyin n yinelmaden nettwali amtawa-n sen yef yiwet n tririt maca anelmad amezwaru ur d-yefki ara tiririt iwatan. Acku inelmaden akk gzan asteqsi ma d anelmad amezwaru ur yessawed ara ad d-yesnekwu tiririt ilaqen.

Asteqsi 5: D acu yeđran d Eerruđ deg zzedma-nni n useggas 1512?

An1: Deg zzedma-nni n useggas n 1512, yettewt Eerruđ s lmedfee yer ufus, yegzem-as akk iyil-is.

An2: Deg mayu 1512, zzedmen Eerruđ d Xirdin yer Bgayet s 12 n lbaburat cčuren s 2000 n Yiturkiyen d kra n Yimaziyen.

An3: Deg useggas n 1512, deg zedma Eerruđ yettwet ufus-is, yetwagzem ikel.

An4: Yettwat Eerruđ s lmedfee d ayen i t-yeđđan, iyil-is yettwagzem.

Seg tririyin-a matawan akk yinelmaden yef yiwet n tririt rnu mmdent, maca anelmad wis sin ur d-tezgi ara tririt-ines acku yefka-d iferdisen imatuyen ur yerzin ara tiririt tuzziqt yetturađun.

Asteqsi 6: Acu n sebba yeđđan Hmed Ulqađi ad yuđal d aedaw n Lemir Bubker akked Yihefsiyen d Yiiebbasiyen?

An1: Hmed ulqađi yuđal d aedaw n Yiiebbasiyen d Yihefsiyen akked Lamir Bubker acku yejbed iman-is fell-asen iqel ddaw n lehkem n Eerruđ dayen isekcem did-s azgen n tmurt n Leqbayel ddaw lehkem-is.

An2: Acku Eerruđ yenya adeggal-is.

An3: Ijbed iman-is Hmed.

An4: Yuřal d ađdaw-nsen acku eerruđ yewwi iserdaden n Hmed ulqađi akken ad isufey ispenyuliyen yellan deg tama n Lezzayer deg «Le penion»

Seg usteqsi i d-nefka nufa-d anagar yiwet n tririt iseħħan d tin n unelmad wis sin d acu xas ur d-zgint ara tririyin-nniđen lameena tsemmident tiririt n unelmad wis sin. Anelmad wis krađ ur d-yerri ara akken iwata yef usteqsi.

Seg tririyin n yinelmaden ad d-negzu llan wid yettruħun srid yer tririt tuzziđt ma d wiyad ttalsen-d i tenfaliyin anida tafafen aħric n tririt yef usteqsi.

Asteqsi 7: Seg wanisa beddunt tliša n tgelda n eerruđ? Amek isem-is i tmanneyt-is?

An.1: Tagelda n eerruđ tbeddu seg Cercal armi d Jijel, tmanneyt-is d tamdint n Lezzayer.

An.2: Beddunt tliša seg Cercal ami d Jijel, tmanneyt-is d Lezzayer.

An.3: Yuřal eerruđ d sseltan n yiwet n tgelda ibeddun seg Cercal ar Jijel, tmanneyt-is d tamdint n Lezzayer.

An.4: Seg Cercal armi d Jijel.

Seg tririyin-a llan krađ yinelmaden i d-yefkan tiririyin tummidin yerna watant, ma d anelmad aneggaru yefka-d azgen n tririt.

Asteqsi 8: D acu yeđran deg useggas n 1516?

An.1: 1516 eerđen Yispenyuliyen ad zedmen yef Lezzayer maena xesren.

An.2: Deg lexrif Yispenyuliyen eerđen ad zedmen yef temdint n Lezzayer meena xesren

An.3: Deg useggas n 1516, eerđen Yispenyuliyen ad kecmen tamurt n Lezzayer meena xesren.

An.4: War tiririt.

Seg tririyin n yinelmaden, mtawan akk yef yiwet n tririt iseħħan maca anagar yiwen n unelmad ur d-yerrin ara fell-as yezmer ahat ur d-yerri ara lwelha-ines yef uzemz-agi yefka azal ugar i wiyad.

Asteqsi 9: Iwacu yefka Ĥmed ulqađi afus deg tmettant n εerruđ ?

An.1: Yefka afus acku εerruđ yenya Salim Tumi i yellan d ađegal n Ĥmed ulqađi.

An.2: Yefka afus deg tmettant n εerruđ akken ad yerr ttar n Salim Tumi i yemmuten s ufus n εerruđ.

An.3 : Yefka Ĥmed Ulqađi afus deg tmettant n εerruđ akken ad yerr ttar n Salim Tumi ameqqran n Lezzayer yellan d ađegal-is.

An.4: Yefka ĥmed ulqađi afus deg tmettant n εerruđ Barbarus iwakken ad yerr iman-is d sselđan n temdint n lzzayer.

Seg tririyin n yinelmaden, amezwaru d wis krađ, ad d-naf fkan-d tiririyin yemmden rnu watant, maca sin n yinelmaden-nniđen wis sin akked wis ukkuđ xas fkan-d kra n yisallen maca ur sawđen ara ad d-afen tiririt tusdidt.

S wakka ad negzu, yal anelmad yezmer ad yesεu tikti yemgaraden ilmend n tegzi-nsen i warrat.

Asteqsi 10: Aniwi leεrac i yesbedden tagelda n Kuku?

An.1: Leεrac i yesbedden tagelda n Kuku d At yeđya, At frawsen, d wat Buceayeb.

An.2: At Frawsen, At yeđia , at Leceayel

An.3; At yeđia,at frawsen , at buceayeb.

An.4: At Yeđia.

Seg tririyin n yinelmaden ad d-naf amezwaru akked wis krađ zgant-d tririyin-nsen yerna d tummidin maca tiririt n unelmad wis ukkuđ txus ur d-yefki ara tiririt yemmden, rnu anelmad wis sin ur yuri ara akken iwata isem n yiwen n leerc acku ur as-d-yesli ara mliđ i warrat.

Armud n taggara

Ilmend n wayen i d-negmer d tiririyin, nufa-d anagar krađ n yinelmaden seg 23 i ixedmen agzul, acku llan deg tallit n yikayaden dya ur d-ufin ara akud iwakken ad xedmen leqdic s wudem ummid, dya rran-d anagar yef yisteqsiyen i icudden yer tegzi tamatut.

Neddem-d anagar sin n yimediyaten yef ugzul i gan yinelmaden³¹ acku xedmen leqdic deg ugraw dya llant wařas n tektiwin i d-yettuyalen. Iswi agejdan n leqdic-a iwakken ad nzer ma gzan yinelmaden agbur n tbiđyut, ma sawđen ad rren tamawt yer yiferdisen igejdanen yellan deg-s, ma snekwan-d izemzen akked tedianin tigejdanin i d-yettwabedren.

Tamawt i nezmer ad d-nefk seld mi nwala tririyin i d-negmer seg leqdic n yinelmaden, ad d-nini ur sein ara tifukas ney tarrayt iwatan iwakken ad gen tasemlilt ney agzul i uđris. Acku ma neserwes gar snat n tririyin i d-fkan yinelmaden ad d-naf deg umedyama mezwaru ur d-yebdir ara unelmad isallen usdiden akked yizemzen d yinedruyen igejdanen yeqqnen yer tbiđyut.

Ma d tiririt tis snat xas yella-d usegzi s telqey maca ur yelli d agzul, imi ad d-naf anelmad ur iquder ara tannađt akked tyessa n uđris imsegzi. Rnu ur inuda ad yales i tektiwin tigejdanin s umawal-ines netta, yura akk arrat akken i as-yesla.

Tasemlilt n uđric

Deg yirim-a, inelmaden gzan arrat i asen-nuzen xas nufa-d kra n tsuraf maca ur d-llint ara wařas n tucđdiwin. Mi walan arrat yeęeb-asen-d, nezmer ad nwali annect-a deg tririyin-n sen. Ma d ayen yerzan isteqsiyen, nufa-d tiririyin yemgaraden, annect-a yeqqen yer uswir n tegzi-n sen i warrat.

Akken diy ara d-naf taggayt n yinelmaden yettarran lwelha-n sen i yal isalli usdid deg tbiđyut. S umata xedmen yinelmaden akk tirmad i asen-nuzen, maca tarmudt n taggara ddeqs n yinelmaden ur tt-nexdim ara acku llan ttheggin i yikayaden dya ur sein ara ařas n wakud.

Ilmend n tririyin n yirim i xedmen yinelmaden nufa-d tuget zgant-d xas llant kra n tsuraf maca ur d-yelli ara d aewwiq iwakken ad ssalin leqdic.

³¹ Zer deg tjeňađt sb 120.

Ʋer taggara nessawed ad negzu mačči anagar yer uselmad i tella tmusni imi inelmaden s timmad-nsen sawden ad xedmen leqdic war ma yella uselmad yer tama-nsen, rnu yer waya leqdic imezdi deg ugraw yesea tamlilt meqqren yef usaki n tnezzarirt gar yinelmaden d tmegleyt-nsen imi d-yella usidef n wallalen umđinen. Rnu yer waya ma nesserwes gar tarrayt tamensayt akked tsensegmit yettin, ad naf deg tarrayt tamensayt d aselmad ara d-yeččaren allay n unelmad s tmusniwin-is maca deg tsensegmit yettin zerren yinelmaden agbur n temsirt send ad awden yer tneyrit, sewjaden-t deg uxxam akken mi ara d-awden yer tneyrit ad ilin sean yakan tikti yef temsirt ara xedmen.

Tasleđt n yinefkan n tfelwit n tannayt

Asemres n tensegmit yettin deg tneyrit

Tazwert

Deg uđric-a, ad nesleđ inefkan n tannayt i nexdem i yinelmaden n uswir wis krađ di tesnawit n Yimeyrasen Zennac. Iwakken ad nmuqel srid tikli n yinelmaden d wamek i d-temmug temsirt n tegzi n tmenna s usemres n tsensegmit yettin. Tafelwit n tannayt i d-nesbedd tebđa yef sđis n texxamin.

Deg tazwara nessasen-d aýerbaz ideg nexdem tannayt, azemz d wachal n wakud i tettef tannayt-nni. Akken i d-nebder diýen azwel n usenfar akked tegzemt ideg tella temsirt s yiswan-is. Ýer taggara nemmeslay-d yef wallalen yettwasqedcen deg temsirt. Tafelwit i d-nesbedd, nebđa-tt akka:

Tafelwit uđđun 5 : Tafelwit n tannayt

Imataren	Ittewlen	+	-	+/-	Tamawt
Tuddsa n tneyrit	-Tarusi n twabel d yikersiyen ttemseđfaren wa deffir wa. -Aselmad yeqqim yer tama n usirra iqubel inelmaden. -Llan wallalen isnalmudanen atraren.				
Tikli n yinelmaden deg lawan n temsirt	-Ttekkín yinelmaden deg uheyyi n tneyrit . -Inelmaden xedmen leqdic yal wa iman-is. -Sean yinelmaden lebyi ad ýren. -Inelmaden ferqen tirmad gar-asen. -Inelmaden ttaken-d akk tiririyinnsen deg yiwet n tiremt. -Inelmaden sbedden-d agensas n yal agraw. -Inelmaden smektan-d ayen walan				

Tasleđt n yinefkan n tfelwit n tannayt

	<p>deg tbiđyut s tmenna.</p> <p>-Inelmaden n yiwen ugraw ur ttemcawaren ara d yigrawen-nniđen.</p> <p>-Ttekkın akk yinelmaden deg useđru n temsirt.</p> <p>-Inelmaden n yiwen ugraw seytayen gar-asen tuccđiwin i xedmen .</p> <p>-Tugniwin akked ssut n tbiđyut jebden-d lwelha n yinelmaden akken ad gen leqdic.</p> <p>-Tennerna teflest deg yinelmaden mi ttikkin deg leqdic..</p> <p>-Askasi gar uselmad d yinelmaden yer taggara n temsirt.</p>				
<p>Tigzi n warrat syur yinelmaden</p>	<p>-Isteqsiyen yettunefken yef tbiđyut ttwafhamen.</p> <p>-Tuđffa n tezmilin teawen inelmaden deg usnekwun n yiferdisen n tbiđyut.</p>				

Deg wayen i d-iteddun ad neg tasleđt i yal attwel akked tamiwin yerzan yal amattar.

Tasleđt i nga i yinefkan n tfelwit n tannayt i d-yellan yef temsirt n tegzi n tmenna terza ađris imsegzi amazray aqbur, iswi n tannayt iwakken ad nzer amek i d-yella useđru n temsirt d usissen n leqdic syur yinelmaden akked tezirt n usidef n wallalen umđinen yef tmegleyt n yinelmaden. Annect-a ad ay-yeđđ ad d-nerr yef usteqsi i d-yefrurin seg ugnu, ad nessidet ma nezmer ad nesseqdec tasensegmit yettin deg uselmed n tegzi n tmenna, ma yella tarrayt-a tejbaday-d lwelha-n sen.

1. Tuđsa n tneyrit

Amatar amezwaru iwumi nga tasleđt d **Tuđsa n tneyrit** , iswi-s ad nwali tazirt i tesa yef usiweđ n tmusniwin i yinelmaden.

Deg tesleđt n umatar-a nufa-d:

Tafelwit uđđun 6 : Tudssa n tneyrit

Amatar	Ittewlen	+	-	+/-	Tamawt
Tudssa n tneyrit	-Tarusi n ƙwabel d yikersiyen ttemseđfaren wa deffir wa. -Aselmad yeqqim yer tama n usirra iqubel inelmaden. -Llan wallalen isnalmudanen atraren.		*		-Bedden yinelmaden udem i tneyrit-nsen s talya n usekkil U. -Aselmad yeqqim yer deffir . - D inelmaden i d-yewwin allalen umđinen seg uxxam.

Tafelwit-a, teskanay-d tiririt i d-negmer yef tudssa n tneyrit uqbel ad yebdu leqdic.

1.1. Deg uttwel amezwaru «**tarusi n ƙwabel d yikersiyen ttemseđfaren wa deffir wa**», mi nekcem yer tneyrit bedden-as yinelmaden talya i trusi n yikersiyen d ƙƙwabel, rran-tt s talya n usekkil « U » acku nessuter-asen annect-a deg temlilit tamezwarut mi nga tazersestant.

Tamawt i nezmer ad d-nefk da aeiwed n wudem i tneyrit isewhem inelmaden acku ur uyen ara tannumi tƙyiman akken, d tikkelt tamezwarut, tekcem-itew tewnafit, annect-a nwala-t deg wudmawen n yinelmaden mi ttmixzaren, ttemsteqsayen iwacu i d-yella waya . Syin yessers uselmad aqrab-is akked kra n lexyuđ (rallonge/multiprises) d yimra yef usirra. Mi ara neserwes gar tarrayt tamensayt akked tsensegmit yettin, s umata timusniwin ttasent-d seg yiwet n tama kan seg uselmad yer unelmad, rnu ur seεεun ara yinelmaden tilelli i tikkin deg usbedded n tmusniwin-nsen, maca deg usatal n tsensegmit yettin seεεun yinelmaden lebyi iwakken ad yren ugar acku tudssa n tneyrit d tin i asen-ittekksen akukru, ilmend n ubeddel n twuriwin gar uselmad d unelmad.

1.2. Iγμαđ n uttwel wis sin «**aselmad yeqqim yer tama n usirra iqubel inelmaden**», ilmend n wayen nwala deg tneyrit, akken yessers uselmad allalen i d-yewwi, yerra qbala yer deffir n tneyrit , yettef amkan-is. Iswi n wannect-a akken ad yefk tagnit i yinelmaden ad d-binen ugar deg usedru n temsirt, netta ad yili d imwelleh kan ma llant tucđdiwin. Rnu amenzay iyef tbedd tarrayt ara sqedcen yinelmaden tekkat ad

terr anelmad d assađ agejdan deg lebni n tmusniwin-is. Syin yenteq uselmad yur-sen: « Akken nuŷ tannumi d nekk i xedmen tamsirt, i d-yettaken iluŷma deg tneyrit, lameena ass-a nekk d anelmad ma d kunwi d iselmaden, d kunwi ara ixedmen tamsirt ». Tamawt i nezmer ad d-nefk da, asbedded n uzwu akked twennađt yelhan tetteawan ugar anelmad deg ukala n ulmad-ines, acku aselmad ur yesei ara adabu,rnu yekkes tilisa yellan gar-as d yinelmaden acku yerra iman-is yer yiwen n uswir netta akked yinelmaden-ines.

1.3.Deg uttwel wis krađ «**Llan wallalen isalmudanen**», mi newweđ yer tzeqqa nufa aselmad yeqqim yer deffir n tneyrit ma d inelmaden sewjaden allalen i d-wwin yid-sen seg uxxam, wa yecceel aselkim wayeđ yezuzer-d tuqqna seg umsiwel-ines. Tamawt i nezmer ad d-nefk da d lixsas n wallalen isalmudanen imi anagar tafelwit, ulac, allalen-nniđen, akken diy i d-nufa ur llint ara tzeywa yesean tuqqna d wallalen umđinen.

2. Tasleđt n umatar wis sin: « Tikli n yinelmaden deg lawan n temsirt »

Amatar wis sin iwumi nga tasleđt, yella-d yef tikli n yinelmaden deg lawan n useđru n temsirt s useqdec n tsensegmit yettin. Iswi-ines iwakken ad nzer amek i d-swejden yinelmaden leqdic d wamek ara d-yili usissen deg tneyrit.

Akken diy i nebya ad nzer tazrirt n leqdic imezdi yef wassayen n yinelmaden akked temlilt n usidef n wallalen umđinen yef tmegeleyt n yinelmaden akked ujbada n lwelha-nsen iwakken ad gen leqdic.

Haten-id igmađ i d-nufa:

Tafelwit uđđun 7: Tikli n yinelmaden deg lawan n temsirt

Amatar	Ittewlen	+	-	+/-	Tamawt
Tikli n yinelmaden deg yimir n temsirt	Swejden yinelmaden leqdic deg uxxam.	*			-Nwala jebden-d yinelmaden izmamen-nsen anida uran tiririyin-nsen.
	-Inelmaden xedmen leqdic yal wa iman-is.		*		-Leqdic yella-d deg ugraw.
	-Sean yinelmaden lebyi ad yren.	*			
	-Inelmaden ferqen tirmad gar-asen.	*			-Yal anelmad yesea tawuri-ines deg ugraw.
	-Inelmaden ttaken-d akk tiririyin-nsen deg yiwet n tiremt.		*		
	-Inelmaden sbedden-d agensas n yal agraw.	*			
	-Inelmaden smektan-d ayen walan deg tbiđyut s tmenna.	*			-Yella-d usmekti war ma tđalen yer yizmamen .
	-Inelmaden n yiwen ugraw ur ttemcawaren ara d yigrawen-nniđen.		*		-Inesyuma n yal agraw ttruhun ttuyalen gar yigrawen.

	<p>-Tugniwin akked ssut n tbiđyut jebden-d lwelha n</p> <p>yinelmaden akken ad gen leqdic.</p> <p>-Tennerna teflest deg yinelmaden rnu senfalayen tikiwin-nsen war lxuf d useđhi.</p>	*			<p>-Inelmaden susmen smeđsisen akken iwata i warrat.</p>
		*			

2.1. Deg uttwel amezwaru « *swejden yinelmaden leqdic i asen-nuzen* », ilmend n yinefkan n tfelwit ad d-naf tuget n yinelmaden xedmen leqdic, rran-d akk yef yisteqsiyen yerzan tigzi n uđris maca ad d-naf drus mađi n yinelmaden i ixedmen agzul i warrat, mi ten-nessasten segzan-d aya s wakud ur sein ara imi llan sewjaden i tallit n yikayaden.

Tamawt i nezmer ad d-nefk da, tamentelt ur teqqin ara yer wakud acku seg tririyin i d-nugem yer kra n yimdukkal-nsen, ur sein ara tifukas ney tarrayt i ilaqen akken ad gen tasemlilt i uđris acku ttekksen-d kan akken isallen n uđris war ma ulsen-as asiley s umawal akked tenfaliyin-nsen.

2.2. Igmađ n uttwel wis sin « *inelmaden xedmen leqdic yal wa iman-is* », seld mi swejden yinelmaden iman-nsen akken ad xedmen tamsirt bđan iman-nsen d igrawen. Ad d-nefk tamawt da imi akken kan yebda leqdic, azwu n tneyrit yettak anzi yer teyrast n tzizwa acku yal anelmad deg ugraw tettunefk-as twuri ara yexdem: wa yelha d tudssa n umahil, wayeđ tira n tririyin yef tfelwit, aseyti n tucđiwin d userwes gar tririyin akked uwelleh n yigrawen-nniđen, anadi deg lantirnat. Da ad d-nefk tamawt yef ubeddel n twuriwin n uselmad akked yinelmaden-i , imi tamsirt tbedd yef usissen n leqdic syur yinelmaden, xas ccđen aselmad ur d-yeggar ara iman-is, yettağđa-ten ad seyтин s yiman-nsen Rnu deg yimir n useđru n temsirt, nwala askasi akked tikci n tmuđliwin yemgaraden gar yinelmden, d annect-a i d-yeslalen amelasay awessun

- 2.3.** Deg uttwel wis krad « *sean yinelmaden lebyi iwakken ad lemden* », ilmend n wayen i ay-d-yenna uselmad deg temlilit-nney tamezwarut, s umata deg temsirt n tegzi n tmenna inelmaden ur seεεun ara lebyi ad yren, llan wid yegganen, wid yettmeslayen d yimdukkal-nsen acku nekkni neqqen yer wayen yellan deg yidlisfusen, ama d idrisen nesseqdac ney timsirin yellan deg-s ur d-jbadayent ara lwelha n yinelmaden ladya isental iyef d-ttawin (azetta, alqađ uzemmur ...atg) , d tidet ilaq ad issinen yinelmaden ansayen i icudden yer tgemmi-nsen, maca mi ara nwali amhaz n tmetti akked usmađal yuyen timura, yewwi-d ad neiwed tamuyli deg yigburen n yidlisfusen iwakken ad mtawan yisental d tilawt tanmettit n yinelmaden. Deg usedru n temsirt nwala inelmaden sean lebyi ad xedmen leqdic, imi annect-a iban-d deg urfad n yifassen-nsen iwakken ad ttikkin.
- 2.4.** Deg uttwel wis ukkuz, nufa-d « *inelmaden ferqen tirmad gar-asen* », ilmend n wayen i nezra deg tneyrit leqdic yella-d deg ugraw dya yal anelmad d amassay yef twuri i yesea ad tt-yexdem rnu yer waya nwala tanezzarirt i d-ilulen gar-asen seg umcawer gar yinesyuma n yiwen ugraw akked yigrawen-nniđen akked usidet n tririyin-nsen. Iswi agejdan n uttwel-a iwakken ad nwali tifulment n yinelmaden deg usedru n temsirt.
- 2.5.** Deg uttwel wis semmus « *inelmaden ttaken-d tiririyin-nsen deg yiwet n tiremt* », seg wayen i nwala deg tneyrit inelmaden sqedcen sin yiberdan. Amezwaru iwakken ad d-fken tiririyin-nsen, llan yinelmaden i irefden ifassen-nsen. Ma d tarrayt tis snat llan wid i d-isbedden yiwen ugensas deg yal agraw dya d netta ara d-yefken tiririt iyef mtawan yinesyuma n yiwen n ugraw iwakken ad tt-yaru yef tfelwit. Da nezmer ad d-nefk tamawt yef tagnatin igerrzen deg usedru n leqdic acku ulac isuyan azwu n tneyrit yerked.
- 2.6.** Iγμαđ n uttwel wis sđis skanen-d « *inelmaden sbedden-d agensas n yal agraw* », iwakken ad ieeddi leqdic deg tagnatin yelhan ad tettunefk tagnit i yinelmaden akk ad ttikkin deg leqdic yal agraw yesbedd-d agensas n ugraw-ines. Da ad d-nefk tamawt yef usnerni n tmasit akked ufmiđi n tifulment yer yinelmaden acku yal agensas n ugraw yessefqad yef tririyin n yinelmaden-nniđen yettwellich-iten. Rnu seg tnezzarit yellan gar yinelmaden yella-d umlasay awessun ladya mi ttemeawanen gar-asen. Nger tamawt yer talya n usbedded n ugensas n yal agraw, tella-d s tefranin imi deg tazwara inelmaden akk byan ad ilin d igensas, maca

ulamek dya iwakken ur d-ttilin ara wuguren n tnehyaft gar yinelmaden fernen tarrayt n tefranin.

2.7. Deg uttwel wis sa «*inelmaden smektan-d ayen walan deg tbidyut s tmenna*», ilmend n wayen nwala deg tneyrit, yal agensas n ugraw yeeređ ad d-yemmeslay yef wayen i d-yemmekta war ma yules timesliwt i warrat ney awali yer wayen yuran deg yizmamen n yimdukkal-is, imi iswi agejdan n termudt-a akken ad yessidet uselmad ma walan yinelmaden-is arrat .Seg tama-nniđen ad yekkes unelmad akukru d usethi sdat n yimdukkal-is imi d yiwen n yiswi gar yiswan i tekkat ad tesnerni tezmert n timawit, akken diy ara izer uselmad ma ufan-d yinelmaden uguren n tegzi iwakken ad yales arrat-nniden ad d-yezgen d uswir n yinelmaden. Tarmud-a tella d tagnit i yinelmaden ur nessaweđ ara ad walin leqdic, ad hsun yef wacu i d-yewwi warrat iwakken ad defren tamsirt rnu ad izmiren ad d-rren yef yisteqsiyen. Da, nerra tamawt yer txutert n usikel n yigburen n ulmad berra i tneyrit, imi inelmaden zerren tamsirt send ad d-awđen yer tneyricť dya annect-nni yettađđa-ten ad seun tikiwin ugar iwakken ad ttekkin deg tneyrit.

2.8. Igmađ n uttwel wis řam skanen-d « **inelmaden n yiwen n ugraw ur ttemcawaren ara d wiyad** », ilmend n tuddsa timezdit n tneyrit, inelmaden ttruřun ttuyalen seg ugraw yer wayeđ iwakken ad srewsen tiririyin-nsen, rnu yer waya nufa-d inelmaden n uswir unnig sefqaden yef leqdic n yinelmaden yellan aswir adday akken ad ten-eiwnen. Ad d-naf atas n yinadiyen akked tezriyin n ulmad i d-yewwin yef waya ladya leqdicat yexdem L.Vygotski s tmiđrant iwumi yefka isem (ZPD : zone proximale de dęveloppement , zone de dęveloppement prochain ney almad s tallelt n wiyad. Akken ara naf deg usatal-a leqdicat akked tezrawin yexdem uselmad asdawan Eric Mazur deg useđru n temsirin-is s yiwen n usenfar i d-yesbedd iwumi yeqqar « **Peer instructions** », yettili s talya n umciwer d leqdic imezdi gar yinelmaden.

2.9. Deg uttwel wis tza « **Tugniwin akked ssut jebden-d lwelha n yinelmaden** », ilmend n wayen nezra deg tneyrit, afran n wallalen isnalmudanen akked yisental sean tamlilt meqqren deg utekki n yinelmaden deg useđru n temsirt, acku ilmend n wayen i d-nnan, d tikkelt tamezwarut ara xedmen tamsirt n tegzi n tmenna s tbidyut, aselmad-nsen yuy tannumi yeqqar-asen-d adris syin yettak-d isteqsiyen. Rrnu deg teyzi n temsirt eeyyun, ur seeeun ara lebyi iwakken ad lemnden imi d

aselmad kan i yettmeslayen. Da ad d-naf tuget n yinelmaden sawđen ad snekwun iferdisen usdiden n warrat seg tugniwin yellan deg-s akked wallus i tmesliwt n warrat, amedya: ismawen n yiwudam igejdanen, idgan, izemzen..atg.

2.10. Iγμαđ n uttwel wis mraw « *tennera teflest yer yinelmaden rnu senfalayen tikiwin-nsen war akukru* ». Deg temlilit-nney tamezwarut nga tamawt i wadduden n kra n yinelmaden deg tneyrit ladya wid yettyiman deg twabel tineggura s umata, tteffaren iwakken ur ttekkina ara deg leqdic imi ttsethin, maca mi d-yella useđru n temsirt s useqdec n tsensegmit yettin uyalen d nutni i yettmeslayen ugar, ttaken-d timuyliwin-nsen yef usentel n warrat, suturen tallelt seg yimdukkal-nsen rnu ur ttkukrun ara seg tririyin-nsen ma cđent imi ur llint ara tezmilin ney aktazal deg teyzi n temsirt.

2.11. Iγμαđ n uttwel wis mraw d yiwen « *askasi gar uselmad d yinelmaden* ». Mi tekfa temsirt, aselmad yerfed afus-is iwakken ad d-yefk kra n yisteqsiyen akked tamiwin i yinelmaden i d-iswejden leqdic, tagnit-a tella-d iwakken ad d-yegmer uselmad isallen yef tririyin n yinelmaden akked wallalen d yiybula i sqedcen iwakken ad tent-id-gemren. Da, ad izer uselmad ma yewwi-d ad ibeddel agbur n temsirt ney talya n yisteqsiyen i d-yefka, ma zgan-d akked uswir n yinelmaden-is si tama. Seg tama-nniđen, d tagnit iwakken ad senfalin yinelmaden tikiwin-nsen akked wuguren i d-mlalen iwakken ad d-yaf uselmad tifukas akken diy ara yeeređ ad yessuget deg tekci n yiluyma iwakken ad salqin ugar yinelmaden inadiyen-nsen.

3. Tasleđt n umatar wis krađ: « *Tigzi n warrat syur yinelmaden* »

Amatar wis krađ iwumi nga tasleđt yella-d yef tigzi n warrat syur yinelmaden. Iswi-ines iwakken ad nzer ma gzan yinelmaden agbur n warrat ney ufan-d uguren. Akken diy i nebya ad nzer tamlilt n tutđfa n tezmilin deg usnekwu n yiferdisen igejdanen yerzan arrat.

Haten-id yigmađ i d-nufa:

Tafelwit uđđun 8: Tigzi n warrat syur yinelmaden

Tigzi n warrat syur yinelmaden	-Isteqsiyen yettunefken yef tbiđyut ttwafhamen. -Tutđfa n tezmilin teawen inelmaden deg usnekwun n yiferdisen n tbiđyut.	*				-Inelmaden rran-d yef yisteqsiyen
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3.1. Deg uttwel amezwaru « *isteqsiyen yettunefken yef tbiđyut ttwafhamen* », ilmend n leqdic i gan yinelmaden deg uxxam akked usissen i d-yellan deg tneyrit, nufa-d ur d-mlalen ara yinelmaden uguren acku talya n yisteqsiyen tezga-d akked uswir n yinelmaden rnu llan s wudem usrid.

3.2. Deg uttwel wis sin « *Tutđfa n tezmilin teawen inelmaden deg usnekwun n yiferdisen n tbiđyut* », ilmend n wayen nezra deg tneyrit, mi ulsen yinelmaden tmezriwt n warrat, yal yiwen yeddem-d imru akked uzam iwakken ad yaru iferdisen i d-ijebden lwelha-ines, imi tarmudt-a d yiwen n yiswi gar yiswan i tekkat ad tesnerni tezmert n tegzi n tmenna yer yinelmaden.

Tasemlilt n uđric

Seg tasleđt n yittewlen n tannayt i nga deg tneyrit, nufa-d meqger ufmiđi n yinelmaden yebyan ad yekkin deg leqdic ilmend n ubeddel n tudssa n tneyrit akked usidef n wallalen umđinen ladya ižeđwan inmettiyen.

Rran azal yinelmmaden i termit i nga yid-sen, annect-a iban-d deg usewjed n leqdic i asen-nuzen akked lebyi-nzen iwakken ad t-id sissen deg tneyrit gar yimdukkal-nzen. Akken i d-nenna, tarrayt i nesseqdec tebđa yef snat n tizza yella wayen xedmen yinelmaden deg uxxam s tallelt n twaculin-nzen akked wayen xedmen deg tneyrit deg yigrawen ideg tella tnezzarirt gar yinesyuma n yal yiwen deg-sen. Leqdic imezdi deg tneyrit yegla-d s wađas n yibađuren am usiđhed n wassađen gar yinelmaden, tukksa n tnehyaft d umtawi gar yinelmaden imi xas llan yinelmaden n uswir unnig maca akken ula d nutni suturen tallelt seg yimdukkal-nzen. Ma d ayen yerzan abeddel n twuriwin gar uselmad d unelmad iban-d umatar-

a deg tneyrit acku deg tarrayin timensayin, adda n usiley d aselmad, anagar yur-s i tella tmusni, yesea adabu deg tneyrit ma d anelmad d anagbar yettaččaren allay-is s tmusniwin, dasmi i nra ad nesseqdec tarrayt-a iwakken ad nessidet abeddel n twuriwin. Aselmad yuḡal d imwelleh i lmendad n yal anelmad, ma d anelmad yuḡal d aferdis urmid deg tneyrit, fell-as ay yebna ukala n ulmad d usiley-ines, annect-a iban-d deg usissen n leqdic i xedmen yinelmaden deg tneyrit akked ufraḡ n tirmad gar-asen s tifulment.

Tamsirt i nefren iwakken ad tili termit fell-as d tigzi n tmenna, nefren tamsirt-a acku deg tneyrit n tmaziyt ddeqs n yiselmaden ur as-yerrin ara azal neḡ ma slemden-tt, ur seqdacen ara tifukas d wallalen ara d-ijebden lwelha n yinelmaden, ilmend n waya nra ad yili useḡru n temsirt n tegzi n tmenna s useqdec n tsensegmit yettin d usidef n wallalen umḡinen akked tbiḡyut. Ilmend n tesleđt n yimataren n tfelwit n tannayt, nufa-d aseqdec n wallalen umḡinen akked tbiḡyut deg tneyrit ttekkim aḡas deg usnerni n tmegleyt akked leḡyi yer yinelmaden imi lulen-d deg tsuta ideḡ tennerna tatiknuluḡit, dya asidef n wallalen-a yewwi-d ad yili. Akken i d-tewwi tarrayt-a igmaḡ yelhan yeḡ wassayen n yinelmaden, i tesa d iḡ tamlilt yeḡ yal anelmad , amedya askasi akked tikci n tmuyliwin d tririyin war asethi d ukukru. Iswi agejdan n tarrayt-a iwakken ad tekkes uguren n usenfali akked tneḡyaft gar yinelmaden deg tagnatin n tuddma n wawal.

Taggrayt n yixef

Ilmend n yinefkan i d-negmer seg tfukas i nesseqdec ; imsteqsi, irim, adiwenni akked tfelwit n tannayt igmaḡ skanen-d tamlilt n tsensegmit yettin deg usnerni n tezmert n timawit yur yinelmaden. Nefren tarrayt tasnalmudant i ibedden yeḡ useqdec n wallalen umḡinen akked yiḡeḡwan inmettiyen imi d allalen-a i d-yejbadayen lwelha n yinelmaden ugar , ilmend n yinefkan i d-negmer nufa-d tuḡet n yinelmaden yesean gar 16 d 20 n yiseggasen sexdamen yal ass iḡeḡwan inmettiyen. Gar yiḡeḡwan i seqdacen ugar, ad d-naf Facebook, tiktok, instagram. Deg wayen yerzan tamlilt n useqdec n wallalen umḡinen deg tudert tayurbizt n yinelmaden nufa-d uyen adeg meqqren imi tteawanen inelmaden deg usnerni n tmusniwin d uswir-nsen, rnu snernayen tifulment-nsen deg ulmad d unadi.

Ma nesserwes gar tarrayt tamensayt akked tsensegmit yettin, ad d-naf yella umgired meqqren imi anelmad yettissin agbur n temsirt qbel, syin akin d netta ara inadim yeḡ tmusniwin iwakken ad yesnerni aswir-is, ur yettkalay ara yeḡ wayen i as-d-yettak uselmad deg tneyrit. Ilmend n yigmaḡ n yirim i nexdem i yinelmaden skanen-d inelmaden i iwalan tabiḡyut

deg uxxam send ad rzun yer tneyrit ttekkim ugar deg useđru n temsirt imi ttarran-d yef yisteqsiyen war ma mlalen-d uguren. Seld mi nesleđ inefkan n tannayt nwala abeddel n twuri n uselmad deg tneyrit acku yuđal d amsaeef, d imwelleh i lmendad n yinelmaden. Akken i d yenna deg usatal-a Deschryver (2010 :181) «*Aselmad ur yessawađ ara tmusniwin maca yessishil awwađ n yinelmaden yur-sent, aya yettagđa anelmad yettuđal d urmid deg lebni n tmusniwin-is*»

Akken diy i d-nufa tarrayt-a tettak akud ugar i yiluđma akked uskasi, imi ađric n tezri neđ tamsirt yettili deg yixxamen n yinelmaden akked berra n tneyrit s talđa n tbiđyut. Annect-a tessegza-t-id Thobois Jacob Laëtitia(2018,sb26) : «*Asikel n yigburen n uselmed ara walin yinelmaden uqbel ad ilin deg tneyrit yetteawan deg uslelli n wakud n tneyrit iwakken ad yili unelmad d amasay.*»^{32*}. Rnu yer waya, anelmad ur yelli ara d anagbar yeččuren s tmusniwin maca d aferdis urmid i ittekkim deg lebni-nsent.

Iwakken ad d-negmer timuđliwin n yinelmaden yekkan deg termit-a, nga adiwenni yid-sen. Ilmend n tririyin i d-negmer nufa sean adduden yelhan yef tsensegmit i nessegdec acku nnan-d mi walan tabidyut deg uxxam annect-nni iawen-iten atas iwakken ad ttekkim deg useđru n temsirt deg tneyrit lađđa deg tririt yef yisteqsiyen. Seg yigmađ-a, nezmer ad d-nessidet tamellit n tsensegmit yettin d wazal n usidef n tirmad tislizranin deg ukala n ulmad.

Yer taggara, nessawađ ad d-nini, igmađ n umahil-nney zgan-d akked yigmađ iyer ssawđent tezrawin i d-yellan yakan yef usemres n tsensegmit yettin deg unnar n uselmed. Amedya tizrawin n M.lebrun & J.Lecoq(2015); J.Bergman & A.Sams (2014) , M.Soulié(2022)...atg.

Imil, yewwi-d ad d-nesmekti i tikkelt-nniđen, ur llint ara tezrawin i d-yewwin yef usemres n tsensegmit yettin deg usatal n tutlayt n tmaziyt.

* « Le déplacement des contenus d'enseignement à consulter avant la classe par les étudiants permet l'optimisation du temps de classe proprement dit et repose sur la responsabilisation des étudiants. ».

²Thobois Jacob Laetitia.,2008, « *Les classes inversées en premier cycle universitaire : de la motivation initiale à l'autorégulation de l'apprentissage* », Tazrawt n Doctorat, Tasdawit n Strasbourg.

Taggrayt tamatut

Taggrayt tamatut

Deg umahil-a neered ad d-nesken ma tezmer tsensegmit yettin ad tili d tarrayt-nniiden i usnemi n tegzi n timawit. Iswi-nney agejdan d asidet n tmellit-ines deg ulmad n tezmert-a. Ilmend n wayen iyer nessawed, nufa-d aseqdec n tsensegmit yettin deg uselmed n timawit d yiwen n unekmar asensegmi yelhan ilmend n yibayuren i d-yettawi i yinelmaden akked yiselmaden. Deg tama n yinelmaden d tagnit anida ttwalin agbur berra n tneyrit, ttalsen-as timezriwt ilmend n wanya n ulmad n yal yiwen, annect-a yetteawan deg ulummez akked tegzi n wayen walan s useqdec n yisulal islizriyen yemgaraden. Ma yer tama n yiselmaden, tetteawan-iten deg tudsa n umahil akked wakud deg useddu n tneyrit.

Igmad n tezrawt-a sseknen-d tasensegmit yettin tesnernay tazmert n tegzi timawit yur yinelmaden, acku tthulfun sean adeg akked twuri deg ukala n ulmad-nsen imi annect-a iban-d deg uttekki-nsen deg usedru n temsirt. Akken diy i nwala asnemi n teflest deg yiman-nsen akked tnezzarirt i d-yellan gar uselmad d yinelmaden imi asewjed deg uxxam icawen inelmaden iwakken ad seun tikiwin akked yisallen ugar yef usentel ara yren deg tneyrit dya d annect-nni i ten-yeḡḡan ttekkim ugar deg usedru n temsirt.

Imil iwakken ad nesseqdec tasensegmit yettin akken ilaq yewwi-d ad nerr tamawt yer kra n yimataren am usewjed n yisulal isensegmiyen, timeseiwt n lantirnat akked wallalen umḍinen, awelleh n yinelmaden d uzday-nsen deg usemres n tarrayt tasensegmit tamaynut. Asiley n yiselmaden deg useqdec n tarrayt-a n uselmed iwakken ad yili usaka seg tarrayt tamensayt yer unekmar asensegmi-nniiden atrar.

Yer taggara ad d-nini, tasensegmit yettin d yiwet n tarrayt tasnalmudant tamaynut i uselmed n tegzi n tmenna acku tesdukkul gar tasnafkust akked tsensegmit i usnulfu n twennaḍt tawiwlan i ulmad. Tizrawin ara yilin yer yimal yewwi-d ad salqint ugar anadi yef tezriwt n tsensegmit yettin yef tzemmar tsnilsanin akked wamaw n yal anelmad. Iswi agejdan n wannect-a d asnemi n tfukas n uselmed iwakken ad d-zgent d wassuren n yinelmaden.

Iwakken ad d-nerr yef usteqsi agejdan i d-nesbedd deg tazwara n umahil, nefka-d tiririt s talya n yiwellichen-a:

Kra n yiwellichen isensegmiyen

- Afran n warraten islizriyen iheqqaniyen ara d-yezgen d uswir n yinelmaden.

- Asiley n yiselmaden yef useqdec n wallalen umđinen.
- Aktazal imezgi n yigmađ n tsensegmit yettin s uskasi akked usasten n yinelmaden.
- Asebyes n yinelmaden iwakken ad sqedcen allalen umđinen deg ulmad-nsen.
- Asbedded n twennađt n ulmad tawiwlant ara d-yezgen d wassuren n yal anelmad.

Tilisa n unadi

Tallumt mezziyen: imi deg tezrawt-a nesseqdec tallumt mezziyen dya ur yezmir ara ad yili usmatu n yigmađ. Ilaq ad ilint tezrwin s tallumt wessiēen i usiğhed n tseldin.

Akud: temmug tezrawt deg drus n wakud. Tezmer ad tili tesleđt deg tallit yezzifen i ugmar n yinefkan yemmden yef tezrirt n tsensegmit yettin yef tezmert n timawit akked yinefkan n umhaz n yinelmaden.

Ilmend n tlisa-ya, tizrawin ara yilin zemrent ad ssidtent ugar tiselđin n tezrawt-a s usnas ummid n tsensegmit yettin deg ulmad d uselmed n tegzi n tmenna.

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TIJENTAD

Tajentad 1 : Imsteqsi

Imsteqsi-ya yerza inelmaden n uswir wis krađ n tesnawit « **ImeyrasenZennac** »yeqqaren tusna . Yella-d yimsteqsi-ya iwakken ad nessidet aseqdec-n sen i yizeđwan inmettiyen d wadeg i sean deg tudert-n sen , haten-a yisteqsiyen i nefka :

1)D acu-k(kem) Awtem Tawtemt d wachal leemer-ik(m) ?

.....

2) Teseam allalen n teywalt d wumđin? ma ih d aniwi ?

.....

3)Allalen-agi tesseqdacam sean lantirnat ney ala ?

.....

4)Teseam lantirnat deg uxxam ?

.....

5) Amek tettwalim aswir-nwen deg useqdec n wallalen n tsenselkimt d teywalt ?

.....

6)Teseam tansa taliktrunit ?

.....

7)Teseam izeđwan inmettiyen ?

.....

8) Deg waniti tagnatin i tesseqdacam lantirnat d yizeđwan inmettiyen ?

.....

9)Teseqdacam lantirnat deg tyuri ? Ma ih deg wanita tanga ?

.....

10) Sismlet allalen-a ilmend n txutert-n sen yur-wen, tessegzim-d iwacu :

-Facebook

-Tik tok

-Instagram

-Youtube

-Gmail

11) Ilmend n yimsteqsi-ya, tella kra n tmuyli ney tekti teseam ad tt-id-ternum ?

.....

.....

.....

.....

.....

.....

.....

Tanemmirt-nwen

Tajentađt 2 : Tafelwit n tannayt

Imataren	Ittewlen	+	-	+/-	Tamawt
Tuddsa n tneyrit	<p>-Tarusi n twabel d yikersiyen ttenseđfaren wa deffir wa.</p> <p>-Aselmad yeqqim yer tama n usirra iqubel inelmaden.</p> <p>-Llan wallalen isnalmudanen atraren.</p>				
Tikli n yinelmaden deg lawan n temsirt	<p>-Ttekin yinelmaden deg uheyyi n tneyrit .</p> <p>-Inelmaden xedmen leqdic yal wa iman-is.</p> <p>-Sean yinelmaden lebyi ad yren.</p> <p>-Inelmaden ferqen tirmad gar-asen.</p> <p>-Inelmaden ttaken-d akk tiririyin-n sen deg yiwet n tiremt.</p> <p>-Inelmaden sbedden-d agensas n yal agraw.</p> <p>-Inelmaden smektan-d ayen walan deg tbiđyut s tmenna.</p> <p>-Inelmaden n yiwen ugraw ur ttemcawaren ara d yigrawen-nniđen.</p> <p>-Ttekin akk yinelmaden deg useđru n temsirt.</p> <p>-Inelmaden n yiwen ugraw seytayen gar-asen tuccđiwin i xedmen .</p> <p>-Tugniwin akked ssut n tbiđyut jebden-d lwelha n yinelmaden akken ad gen leqdic.</p> <p>-Tennerna teflest deg yinelmaden mi ttikkin deg leqdic..</p> <p>-Askasi gar uselmad d yinelmaden</p>				

	yer taggara n temsirt.				
Tigzi n warrat syur yinelmaden	-Isteqsiyen yettunefken yef tbiɗyut ttwafhamen. -Tuttɗfa n tezmilin tɛawen inelmaden deg usnekwu n yiferdisen n tbiɗyut.				

Tajentḍt 3 : Adiwenni

- 1) Tesea yur-wen temsirt n tegzi n tmenna azal ney ala?
- 2) Mi twalam tabidyut deg uxxam tegzam-tt s shala ney tuɛer-awen? aḥal n tikkal i as-tɛawdem timesliwt?
- 3) Tellam tesseam yakan tikti yef usentel n tbidyut ney ala?
- 4) Leqdic i awen-d-yettunefken txedmem-t iman-nwen ney yella ḥed i aken-iɛawnen?
- 5) Tessawḍem ad twalim tabidyut ney temlalem-d uguren? ma llan aniwi?
- 6) Amek i awen-d-yusa leqdic deg uxxam mebla ma iɛawen-iken uselmad fessus ney yuɛer?
- 7) D acu ara d-tinim yef temsirt n wass-a? teɛḡeb-awen ney ala ma yella ih iwacu ma ala segzit-d.
- 8) Ilmend n temsirt n wass-a, d acu tesseam d tamiwin ad tent-id-ternum?

Tajentaḍt 4 : Isteqsiyen n yirim

Asteqsi 1 : D acu d asentel amatu n tbiḍyut-a ?

Asteqsi 2 : Melmi teyli Bgayet gar yifassen n Spenyul ?

Asteqsi 3 : Amek ismawen-nsen sin watmaten i iɛawnen Lamir Bubker iwakken ad ḥellin Bgayet ?

Asteqsi 4 : Amek i as-qqaren i tqelɛet n Yiwannuyen ass-a ?

Asteqsi 5 : D acu yeḍran d ɛerruḡ deg zzedma-nni n useggas 1512 ?

Asteqsi 6 : Acu n sebba yeḡḡan Ḥmed Ulqaḍi ad yuḡal d aɛdaw n Lemir Bubker akked Yiḥefsiyen d Yiɛebbasiyen ?

Asteqsi 7 : Seg wanisa beddunt tliṣa n tgelda n ɛerruḡ ? Amek isem-is i tmanneyt-is ?

Asteqsi 8: D acu yeḍran deg useggas n 1516 ?

Asteqsi 9: Iwacu yefka Ḥmed ulqaḍi afus deg tmettant n ɛerruḡ ?

Asteqsi 10 : Aniwɛ leɛrac i yesbedden tagelda n Kuku ?

Tajenṭeḍt 5 :

Agzul n tbiḍyut uṭṭun 01

Tavidyut-a syur Salim Ulḡudi, tettwakkes-d seg youtube (amrabeḍ aseggas 2022, tebna yef 14 n yihricen, yettmeslay-d yef tgelda n At Eebbas.

Deg tazwara, teyli Bgayet gar yifassen n Spenyul deg useggas n 1510, imir isawel Bubker i Xirdin d Eerruḡ akken ad ḥellin Bgayet.

Agzul n tbiḍyut uṭṭun 2

Deg tvidyut-a yettṭfen azwel At eebbas, Eerruḡ d Yiētmaniyen, yettmeslay-d umaru deg-s yef tgelda n At Eebbas d tigawin i xedmen watmaten Barbarus , d wayen yeḍran seg 1510 -1515.

Tazwert

Eerruḡ d xirdin fkan afus n lemeawna i Lamir Bubker iwakken ad ḥellin Bgayet , mi i teyli gar yifassen n Spenyul deg useggas n 1510 imireni yekker traḍ gar Bubker d Leebbas. Deg mayu 1512 zeḍmen eerruḡ d xirdin yef Bgayet dya eerdən ad as-tekksen seg yifasen n Spenyul maca ur zmiren ara lada mi yuḡal Eerruḡ d xirdin yer tama n gayet tṭfen Ġiḡel , kecmen 20000 daw n leḥkm-nsen gar-asen yiwen ssawalen-as Ḥmed ulqaḍi , eerdən ad zeḍmen f Bgayet maena ur s-zmiren ara , tikelt-a Ḥmed ulqaḍi yuḡal d amdakul n Eerruḡ dya armi yuḡal daw leḥkem-is yerna yuḡal d aedaw n yiḥefsiyen, d yiēbbasiyen, akked Lamir Bubker. Yuḡal eerruḡ d sselṭan n yiwet n tgelda i ibeddun seg cercal armi d jijel , tamanaḡt-is d tamdint n Lezzayer. Eerdən ispenyuliyen ad zeḍmen yef Lezzayer maena xesren. Rnan zeḍmen yef Tlemsen deg 1513, dya yemmut mi yettnaḡ mgal spenyul deg ctember 1518. Yefka afus ḥmed ulqaḍi deg tmettant n Eerruḡ iwakken ad yerr ttar n Salim Tumi i gellan d ateggal-is. Deg taggara yuḡal Ḥmed ulqaḍi yer tmurt-is yejmeē leerac n at yehia, at frawsen d wat buuceayeb i yesbedden tagelda n Kuku. Yessuter Xirdin lemeawna n Salim(1) mi yezra zzin-as-d yiedawen mkul tama seg yimaren tuḡal temdint taētmanit. Deg 1520 yerwel yer Jijel mi yexser traḍ akk d ḥmed ulqaḍi nnan-d aneggaru-ya yettṭef tamdint n Lezzayer seg 1520-1525.

Amawal

Gran : découvrent.

Assuren : besoins.

Amaccaq : à distance.

Agdal : similaire.

Afmiḍi : pourcentage.

Asnas aliktruni : application électronique.

Imil : Cependant.

Tawwayt : Reportage.

Tamrirt : Trace.

Ikfawlen : Engagés.

Tamellit : efficacité.

Inabayen : absents.

Takrura : Chimie.

Imaylayen : Circonstances.

Tawiwlant: Dynamique.

Amelasay awessun: Conflit cognitif.

Tawenafit: Curiosité.

Adlif: Graphe.

Kra seg tririyin n yinelmaden

Tiririt uttun 1

Imsteqsi

Imsteqsi-yayettunefk i yinelmaden n uswirwiskrađ n tesnawit « ImeyrasenZennac »iwakken ad nessidetaseqdec-nsen i wallalen n tusnafkust d wazalseanyur-sen , haten-a isteqsiiyen i nefka :

1) Tuzuft
Awtem Tawtemt

2) Ađal deg leemer-ik(im)

.....
3) Acutssexdamemugaraselkimneyimsiwel?

.....
4) Teseamtansataliktrunit?

.....
5) Teseamizedwaintmettiyen? Ih Ala

6) ma llananiwtsseqdacam s wařas?

.....
7) Iwacu ?

I umeslay d yimdukkal

I tyuri d usnerni n tmusniwin

I wurar d unecređ / divertissement

I wayn-nniden.....

8) D aniwı gar yizeđwa-yainmettiyenitsseqdacamugar :

-Facebook

-Tikok

-Instagram

9) Tsseqdacamlantirnat /izeđwainmettiyendeg tyuri-nwen : ih ala

10) deg wanititangiwin ?(matières)

.....
11) Amektettwalimaswir-nwendegusemres n wallalen-a ntesnafkust(outils technologique) ?

.....
12) Tesseqdacamizedwainmettiyen(réseaux sociaux) degwayenyerzantutlayt n tmaziyt
ih ala

13) Tettwalimtividyutin s tutlayt n tmaziyt : ih ala

Ma ih d aniti ?

-isura(films)

-tawwayt(reportage)

Tiririt uttun 2

-azawan(music)

-kra -nniden..... *ibfira, timucuba*.....

14) Tettmeslayem s tutlayt n tmaziyt deg yizedwainmettiyen: ih ala

15) Ma ih deg wantategnatin :

- tayuri

- deguyalas (quotidien)

- iyisurenismamen (besoins personnels)

- degtegnatin-nniden.....

Ilmend n yimsteqsi-ya ,tellakra n tektineytamuyliteseam ad tt-id-ternum?

*Seg tamaw... tanelmaden "Timyran s Zennac"
Jawex aken ansiwel sumata aked kantinat
te Eawamen... le Eeviel... j. inelmaden j. wida k mesa
iyethewisa f tmusni swatan, aaku... kula yela
adi Euel yawan ad iktev kam f acu yethufu
at yaf, yet Eawam... dajen a dismpwa... timusniwin
n umelan... izamen ead yelmad tutlayin, aken dajen
yazme ~~o~~ f unelmad ad yafrej tivichyib-in ref Regray
aken f timisirin n tutlayib tamaziyt dajen bac aum unsin
ana, atyem, daju kam utensrechm ara ref wayin
apnyen f Regray, mala anhibis ikel meEra s kpis kam.
tanemmirt-im.*

Tanemmirt-nwen

Tiririt uŋun 3

-azawan(music)
-kra -nniden.....

14) Tettmeslayem s tutlayt n tmaziyt deg yizeɗwainmettiyen: ih ala

15) Ma ih deg wantategnatin :

- tayuri
- deguyalas (quotidien)
- iyisurenismamen (besoins personnels)
- degtegnatin-nniden.....

Ilmend n yimsteqsi-ya ,tellakra n tektineytamuyliteseam ad tt-id-ternum?

.....g. tanaw... imesiwad. zarayt... iktawam. leEev. i. d.
...inelmaden. lam leEbad. tehyum. atas. g. tanawani
S. mata., acbu. kuk. yala. ad. i. Ered. yewen. ad. i. k. ter
kam. facu. yethyum.
.....
.....
.....

Tanemmirt-nwen

Tiririt uṭṭun 4

-azawan(music)

-kra -nniden... *isefra, timucuba*

14) Tettmeslayem s tutlayt n tmaziyt deg yizeḍwainmettiyen: ih ala

15) Ma ih deg wantategnatin :

- tayuri
- deguyalas (quotidien)
- iyisurenisnimamen (besoins personnels)
- degtegnatin-nniden.....

Ilmend n yimsteqsi-ya ,tellakra n tektineytamuyliteseam ad tt-id-ternum?

*..... twalig d akken arin el yettEwin amdan s umata
amelmad deg tyuri ynes deg lweqt a 2024 ulac
win un yesEin ara "les réseaux sociaux" nek k d yi wet
i tnsyex damen am "Instagram, Facebook, youtube....." g
tyuri ynem mey ad meslayey akked timdukaliw Tamaziyt
d tutlayt i tmeslayey akked yaneyt zyes id nekkes am
timucuba n jidda mey isefra*

Tanemmirt-nwen

Tiririt uŋun 5

-azawan(music)

-kra -nniŋen.....

14) Tettmeslayem s tutlayt n tmaziyt deg yizeɗwainmettiyen: ih ala

15) Ma ih deg wantategnatin :

- tayuri
- deguyalas (quotidien)
- iyisurenisnimamen (besoins personnels)
- degtegnatin-nniŋen.....

Ilmend n yimsteqsi-ya ,tellakra n tektineytamuyliteseam ad tt-id-ternum?

.....Tayuri.....s.izɗawa.....immettiyen.....togeɗɗeɗ.....s.watasa.....i.acku
.....anɗelɗa.....ad.yesɗu.....abud.....iwakken.....ad.izawad.....wayyen
.....yefaa.....i.yesna.....ad.yesɗu.....lowat.....ad.yesɗu.....umad
.....nniŋen.....i.....innasa.....ɗaan.....inɗelɗa.....ɗaɗɗa.....d.abben
.....tayuri.....s.izɗawa.....immettiyen.....w.ittsuɗɗed.....asa.....fawateɗ
.....ɗaan.....wid.....w.yesɗa.....asa.....(P.internet).....neɗ.....ɗallen
.....am.....imsiɗɗel.....s.waɗa.....asa.....fawateɗ.....

Tanemmirt-nwen

Tirit uttun 6

Imsteqsi

Imsteqsi-yayettunefk i yinelmaden n uswirwiskrad n tesnawit « ImeyrasenZennac »iwakken ad nessidetaseqdec-nsen i wallalen n tusnafkust d wazalseanyur-sen , haten-a isteqsien i nefka :

1) Tuzuft
Awtem Tawtemt

2) Açal deg lemer-ik(im)

POANS

3) Acutssexdamemugaraselkimneyimsiwel?

imsiwel

4) Teseamtansataliktrunit?

ih seig

5) Teseamizedwainmettiyen? Ih Ala

6) ma llananiwitsseqdacam s watas?

Instagram, youtube

7) Iwacu ?

I umeslay d yimdukkal

I tyuri d usnerni n tmusniwin

I wurar d unecreh / divertissement

I wayn-nniden.....

8) D aniwi gar yizedwa-yainmettiyenitseqdacamugar :

-Facebook

-Tikok

-Instagram

9) Tsseqdacemlantirnat /izedwainmettiyendeg tyuri-nwen : ih ala

10) deg wanitangiwin ?(matieres)

ikel tangiwin mehsuf

11) Amektettwalimaswir-nwendegusemres n wallalen-a ntesnafkust(outils technologique) ?

ih inem

12) Tesseqdacemizedwainmettiyen(reseaux sociaux) degwayenyerzantutlayt n tmaziyt ih ala

13) Tettwalimtidyutin s tutlayt n tmaziyt : ih ala

Ma ih d aniti ?

-isura(films)

-tawwayt(reportage)

Tiririt uttun 7

Imsteqsi

Imsteqsi-yayettunefk i yinelmaden n uswirwiskraq n tesnawit « **ImeyrasenZennac** »iwakken ad nessidetaseqdec-nsen i wallalen n tusnafkust d wazalseanyur-sen , haten-a isteqsien i nefka :

1) Tuzuft
Awtem Tawtem

2) Açal deg leemer-ik(im)
.....*At Sa*.....

3) Acutssexdamemugaraselkimneyimsiwel?
.....*imsiwel alahed abelhim*.....

4) Teseamtansataliktrunit?
.....*ih*.....

5) Teseamizedwainmettiyen? Ih Ala

6) ma llananiwitsseqdacam s waṭas?
.....*youtube*.....

7) Iwacu ?

I umeslay d yimdukkal

I tyuri d usnerni n tmusniwin

I wurar d unecreḥ / divertissement

I wayn-nniden.....

8) D aniwi gar yizeḍwa-yainmettiyenitsseqdacamugar :

-Facebook

-Tikok

-Instagram

9) Tsseqdacemlantirnat /izeḍwainmettiyendeg tyuri-nwen : ih ala

10) deg wanititangiwin ?(matières)
.....*Science, Physique*.....

11) Amektettwalimaswir-nwendegusemres n wallalen-a ntesnafkust(outils technologique) ?
.....*Snex ad. xzedmeq*.....

12) Tesseqdacamizedwainmettiyen(réseaux sociaux) degwayenyerzantutlayt n tmaziyt ih ala

13) Tettwalimtidyutin s tutlayt n tmaziyt : ih ala

Ma ih d aniti ?

-isura(films)

-tawwayt(reportage)

Tirit uttun 8

Imsteqsi

Imsteqsi-yayettunefk i yinelmaden n uswirwiskraq n tesnawit « **ImeyrasenZennac** »iwakken ad nessidetaseqdec-nsen i wallalen n tusnafkust d wazalseanyur-sen , haten-a isteqsien i nefka :

1) Tuzuft
Awtem Tawtemt

2) Açal deg leemer-ik(im)

3) Acutssexdamemugaraselkimneyimsiwel?

4) Teseamtansataliktrunit?

5) Teseamizeđwaintmettiyen? Ih Ala

6) ma llananiwitsseqdacam s wařas?

7) Iwacu ?

I umeslay d yimdukkal

I tyuri d usnerni n tmusniwin

I wurar d unecređ / divertissement

I wayn-nniden..... you are tall

8) D aniwi gar yizeđwa-yainmettiyenitsseqdacamugar :

-Facebook

-Tikok

-Instagram

9) Tsseqdacemlantirnat /izeđwainmettiyendeg tyuri-nwen : ih ala

10) deg wanitangiwin?(matières)

11) Amektettwalimaswir-nwendegusemres n wallalen-a ntesnafkust(outils technologique) ?

12) Tesseqdacemizeđwainmettiyen(réseaux sociaux) degwayenyerzantutlayt n tmaziyt ih ala

13) Tettwalimtidyutin s tutlayt n tmaziyt : ih ala

Ma ih d aniti ?

-isura(films)

-tawwayt(reportage)

Tiririt uṭṭun 9

Imsteqsi

Imsteqsi-yayettunefk i yinelmaden n uswirwiskraḍ n tesnawit « **ImeyrasenZennac** »iwakken ad nessidetaseqdec-nsen i wallalen n tusnafkust d wazalseanyur-sen , haten-a isteqsien i nefka :

1) Tuzuft
Awtem Tawtemt

2) Aḥal deg lemer-ik(im)
.....¹⁶.....

3) Acutssexdamemugaraselkimneyimsiwel?
Imsiwel.....

4) Teseamtansataliktrunit?
Ih.....

5) Teseamizedwaintmettiyen? Ih Ala

6) ma llananiwitsseqdacam s waṭas?
Instagram.....

7) Iwacu ?

I umeslay d yimdukkal
I tyuri d usnerni n tmusniwin
I wurar d unecreh / divertissement
I wayn-nniden.....

8) D aniwi gar yizedwa-yainmettiyenitsseqdacamugar :
-Facebook
-Tikok
-Instagram

9) Tseqdacamlantirnat /izedwainmettiyendeg tyuri-nwen : ih ala

10) deg wanitangiwin ?(matières)

Science / physique / français / anglais / arabe / islamique

11) Amektettwalimaswir-nwendegusemres n wallalen-a ntesnafkust(outils technologique) ?

l'Écrit. mobile.....

12) Tesseqdacamizedwainmettiyen(réseaux sociaux) degwayenyerzantutlayt n tmaziyt
ih ala

13) Tettwalimtidyutin s tutlayt n tmaziyt : ih ala

Ma ih d aniti ?

-isura(films)

-tawwayt(reportage)

Tiririyin n yinelmaden yef yirim

Tiririt uŋun 1

Tagelola n At Ebbas

- 1) - Dag taidyut .a. tabya ay-d. marlay yef
wamla ; telecem hezzayen idaw lalkem
n i'etmaningon
- 2) - tepli Bgayet gar yiffaen n Splenyul 1512
- 3) - ~~Erawj~~ , niredoline .
- 4) - qawen .as i teqliet n yiwammuyen as-a .
Azwa n hezzayen
- 5) - Dag zzedma n Eeroug ak el niredoline
d homi Abel b'qader . Eeroug utan-t
n lmedje ~~gawm~~ gawmen .s afas .is .
- 6) - Achu Eeruj yanya adeggal ~~ak~~ .is .
- 7) - Seg cereal armi d Gi'el .
- 8) - dag weggas n 1516 Eerdas Splenyul
ad hecmen hezz tamdint n hezzayen
malma mesen .
- 9) - yeffa h' med ulqadi' afas deg tmittant
n Eeroug akkan ad ger ttan n Salim
Tami amggan n hezzayen yellan d adeggal .
is .
- 10) - At Yehya , At Frowden , At BuceEageb .

Tiririt uttun 2

- ① D acu d asentel amatu n tVidyut-a? Tagelda.
A: Eebbar (Kuku, Eerruɗ d iEetmaniyen).
- ② Mehi tegli B gayet gar yifarsen n spenyul?
1510.
- ③ Amek ismalleen - nsen i sui n watmaten i iEawnen Lami
Bubker i wakken ad helli B gayet? Eerruɗ, kindin
A: yelmatken
- ④ Amek i ars - qqaren i tgelEet n yidmannuxen ars-a?
tgelEet at Eebbar.
- ⑤ D acu yedham d Eerruɗ deg zzedma - nni n useggas 1512?
Deg zedman 1512 Eerruɗ itewath seq ufus igzmas ak
afusis.
- ⑥ Acu n sekba yeggan H med ulqadi yuxal d aEdaw n yih efisiyen,
yi Eebbariyen akhed Lami Bubker? i jbaad imanis H med
- ⑦ seq wamsi beddunt thisa n tgelba n Eerruɗ?
A: gercal n d igzal
Amk isem - is i temenaneft - is? tondint n Dezayaw.
- ⑧ D acu yedhan deg useggas n 1516? → g leserif
Eerdan is banyuliyam ad qadman g tendint n Dezayaw me
scessem

Tiririt uŋun 3

Hamitri
dhanel

- 1- Asentel amatiu n tridijul - a d Tagelda
n At Eebbas (Kuku, Eerrug d i Eetmaniyen)
- 2- tgebi Bgayet gar yifadden n Spenyul
deg usgas n 1510
- 3- Ismawen n sin n waatmaten nni
Eerrug d Xirdin
- 4- Eqqaren - as i tgelet n yimanniyen ass-a
taqelset n at Eebbas.
- 5- deg Mayu 1512 zaghen Eerrug d Xirdin
yer Bgayet s 12 n lbalwat curen s 2000 n
turkiyen d keza n yimziyen.
- 6- Sebba yeggan Hmed ulgadi yujal d aEdaw
n yibefsiyen, yi Eebbasiyen a bbed lamir Bubi
ochu yskcem azgen n tmurt n lqbayel sruu
n lkhem - is.
- 7- Beddint tlisa n tgelda n Eerrug
Sog cercal ami d ijjel.
tmenaneyt - is isem - is tamdint n lezaye

ujbed imanin
kelasen

Tirit uttun 4

10) LeErac ni yeshbedden togaldan m kucun d
 $A \in Y$ eliya - $A \in F$ maw sen
 $A \in B$ m $C \in a$ b
 mi unu
 6) 2 ten 133yayn n 20000 n yideldanen n H med
 ulqadi yajbed iman - is H med ulqadi yajbed
 vno H med ulqadi is of ER eliyim d 133hanyim
 yagq d daw ER kom n Enway neyi yajbed
 H med. Sapadi iman n fallayen yildan d i Edane

8) - Erdem Enspayden ad 3ednem d of
 temidant m 2yayn mača n maw:

Tiririt uttun 5

8. Deg useggas n 1516 Eerden ispanyalen
ad zdmn yef temdint n Ezayen mEena istem
megad n Eeruij.
9. Yefka Hmed ulqadi afus deg Emut n
Eerug Barbarus i waken ad yer imanis
dsktan n temdint n Ezayer
10. LeLarc i yerbedden tagelda n Kuku
At gehya, At frausen, At binEayel.

Tiririt uṭṭun 6

- 8) deg usleggas n 1916 Eerden
ispanyulen ad zedmen fer tendint
n lezzayer meɛna seɛren
- 9) - yefka afus deg tmenɣinet n
Eerruɣ akken ad yerr tkar n
Talin el tuni i yemmuten s
ufus n Eerruɣ
- 10) - leɛrac i yeɛbedden tagelda
n kuku d: At yehya, At
francesen, d neat leucɛayeb

Tiririt uṭṭun 7

- ① asentel amatur n tvi dyul-a:
tagelda n Aṭ Ebbas
- ② Bgayet tepli gas yi fassen n S penyul
15/10
- ③ xindin, Eerruḡ d sin watmaleni Eawnen
lamir Bubker iwahben ad hellin Bgayet
- ④ tgelet n yunannujen aqaren-as ass-a
lqelca n Aṭ Abbas
- ⑤ deg useggas 1112, deg 33 edma Eerruḡ
yetwat, ufus-is yetwagzem ikel afus-is
- ⑥ Sebba yeḡḡan Hmed ulqadi yuyal d aEdam
n yih efriyen, yi Eebbawjen akked lamir Bubker
Ahmed Belkadi yuyal dawlhkem n Eerruḡ anda
yechkem az yem n jum dawh n lezzayen
- ⑦ Husa n tgeleda n Eerruḡ beddunt
~~cherchell~~ cherchell ami ijel
tamdenanexl-is isem-is lezzayen
(cherchell ami)
- ⑧ deg useggas n 1916
- ⑨ Hmed ulqadi yefka afus deg lmut n Eerruḡ
Barbanus a akku yefya adyen ttar a Salim
tounni ameqran n lezzayen i yefya Eerruḡ

Tiriti uttun 8

Hmed ulqadi yural dandakul
 n'eenug' dya arni i yural daw
 feli ken n'eenug' yerna yural da'dam
 gili'efsiyen; yi'elbariyen; al'berd
 tami Bab'ar. yural eenug' d'aseltan
 ngiwet utqela i'ibeddun se'g'ereal
 arni d'gig'el tamana y'is d'tandint
 n'Lezzayer. Eerden is pangulen
 ad'zedme'is se'f Lezzayer mace
 x'essen. Man zedme'is se'f
 1) H'msan Eawinen tt it'lemsaniyen
 y' d'ya yemmut nni yetnaya ngal
 is pangulen deg 19 October 1918
 2) yef'ka Hmed ulqadi deg
 tmettant n'eenug' wa'kken ad
 yer'tan is salin tami sigellam
 d'adeggal is yural deg
 tagarai yural Hmed ulqadi
 se'tment is yef'ime'is f'Erac
 nat yeh'ya, at'fawsen; at
 Buceageb i yel'bedden tagel da
 n'Kaku

Tiririt uŋun 9

Agzul:

deg tbiɗyut a i yetiŋen agwel
 At Eelbas; Eenuŋ di Ectmaniyen;
 yetimelag d umaru deg n xef
 tgelɗa nat Eelbas d belkɛn tɗawim
 i xedmen watmaten xirɗin d Eenuŋ/
 timidranim seg 1510-1515.

Tazwat: Eenuŋ d xirɗin fɗan a fɗan
 fɗan Eawna i Zamir Bulker iwakkɛn
 ad belkɛn Bgayet mi i tesli gar
 gijansen n Bpɛngul deg useggasen 1510
 imineni i yelkɛn tɗad gar Bulkerabl
 d Eelbas. deg Mayu 1512 zedmen
 Eenuŋ d xirɗin xef Bgayet dya
 Eenden ad as t Bsen seg jfansen n
 spanyal mada uszmienara ladɗa
 ar yagal Eenuŋ d xirɗin xirɗin
 n Bgayet tɗen iigel Beemen 20.000
 daw n belkɛn unsen gar asen
 yuwen mawalen as tɗin d ulqadi
 Eenden ad zedmen f Bgayet ma Eena
 n sezmienara t belkɛn a

Tiririt uttun 10

- tamettant = Punt
- 1) Asewte amatu n tedyant a: Tagelda n wat Eelbas
 - 2) deg usaggas n 1510 i tesli baqumet gan yi fa
 - 3) ^{Sin uittimaden} semman asen: Eenuq d xirdim ^{Eaunen} ^{Zamun} ^{P. 3} ^{Ar qwaBBen}
 - 4) Sawaalen ar asa Zaella n wat Eelbas.
 - 5) yettwat Eenuq s Pmedfex sen ufus iyezm
akk ijd, is
 - 6) yugal daw n lelkem n Eenuq yerna yereBem
azgen n tmunt n pel gayet daw lelkem is
 - 7) yugal Eenuq d seltan n yunt n tagelda
i ibedden sig cical almi d Gigel,
tamant is dtamunt n Lezzayer.
 - 8) deg usaggas 1516 deg Pencil Eerden ispanyuler
adzeddmen xef tendunt n Lezzayer maEna
xessen
 - 9) iwaken ad yer tasi Salim tumi ameqqan
n Lezzayer i yensa Eenuq yella d adeggal
n Herud ulqadi
 - 10) ZeEnac i yelbedden tagelda n kuku:
AT yel ya; AT Frawsen; AT Kuc Eaqel
- 1) d lelkem n Eenuq d cwali d yelBem;
Timidranin: yedhan deg 1510 - 1516

Tiririt uttun 11

- 1) Arantel amata n tbiɗyut-a : Ayeŋ yedraŋ deg temnaɗt n hɗayyer ami d. Yussa Xireedin akked d Eerruɗ
- 2) Teɗli Bgayet gar yifarsen n spanyul deg 1510.
- 3) Semanasen : Xireedin d Eerruɗ.
- 4) Ass-a garren-as taɗeltel n AT Eebbas.
- 5) Yetiwadet l hmedfat dayen i - - yeffam iyili - s itwadagem
- 6) Hmed hɗadi yuɗal daɗdaw n yihefniyen, yiɗebbasiyen akked lamir Bubbek akku yeffed iman-is fellu - ayeŋ iqel daw n lehkem n Eerruɗ dayen 'cekkem diides azgen n tmuɗ leɗbayel daw lehkem - is -
- 7) hedun - t seq : Cercal ami d Tijel ..
- 8) 1516 Eerden ispanyuliyen ad zedmen yef hɗayyer maɓna xerren .
 1516 : ceɗeen - d yef Eerruɗ shab n hɗayyer akken ad suɗfen ispanyuliyen yellan deg El Pañon de Argeliyellan deg temnaɗt n hɗayyer.
- 9) Yefka ofus akku : Eerruɗ yeyya Salim Tami i yellan d atɗal n Hmed ulɗadi
- 10) Leerc i yesbedden taɗelda n ikku s AT Yehya .
Agzul :
 Teɗ Tbiɗyut-a Sɗur Salim II - hɗadi Amrahed ~~temben~~ ~~2022~~, Het wakred seq Amrahed aɗɗas n 2022, tebda yef 14 n ihriɓen, yetimerlaya - d yef taɗelda n AT Eebbas .
 Deg taɗwara , teɗli hɗayyet gar yifarsen n spanyul deg usɗɗas n 1510 , imir isauel Bubbek i xireedin d Eerruɗ akken ad helen Bgayet .

Agzul

Tazrawt-a tettekki yer unnar n tesnalmudt n tutlayt n tmaziyt. S usidef n wallalen n TICE (tasnafkust d yisalli , teywalt i uselmed) , akked wallalen umḍinen ddeqs n tezrawin i d-iseknen tamellit n tarrayin i ibedden yef useqdec n tesnafkust deg tneyrit. Deg umahil-nney nra ad yili usekcem n tsenegmit yettin i uselmed n tegzi n tmenna yur yisnawiyen iwakken ad nzer tamellit-ines. Adda n leqdic-nney yella-d s lmendad n tezrawin i iga Marcel Lebrun acku d netta i d amezwaru i tt-yezzuzren deg umaḍal n usegmi. Tazrawt-a tbedd yef tallumt ideg ttekkim 23 n yinelmaden yeqqaren deg tesnawit n“Yimeyrasen Zennac” di Bgayet. I ugmar n yinefkan nesseqdec tifukas-agi : imsteqsi i nga d yinelmaden , tafelwit n tannayt akked yirim, ma d adiwenni yella-d iwakken ad d-negmer timuḥliwin n yinelmaden yef termit i xedmen. Ilmend n yigemaḍ i d-negmer skanayen-d asemdu yelhan i useqdec n tsensegmit yettin yur yisnawiyen.

Awalen isura : allalen umḍinen, taneḥrit yettin , almad imerwi, tigzi n tmenna.

Résumé

Le présent travail de recherche s'inscrit dans le domaine de la didactique de la langue amazigh.

Ainsi, avec l'avènement des TICE (Technologies de l'Information et de la Communication pour l'Enseignement) et des outils numériques, de nombreuses études ont démontré l'efficacité des méthodes basées sur l'utilisation de la technologie en classe. Notre travail de recherche consiste à introduire la pédagogie de la classe inversée pour l'enseignement de la compréhension orale chez les lycéens afin de tester son efficacité. Nous nous sommes basés sur les études de Marcel Lebrun considéré comme l'un des pionniers de cette pédagogie. L'étude a été réalisée sur un échantillon de 23 élèves du lycée Chouhada Zenache à Bejaia. Les instruments de recherche utilisés sont : un questionnaire destiné à notre échantillon, une grille d'observation, un test après avoir expérimenté la classe inversée et un entretien avec les élèves afin de connaître leurs avis quant à cette expérience. Les résultats obtenus démontrent l'effet bénéfique de l'utilisation de la classe inversée chez les lycéens.

Mots clés : outils numériques, classe inversée, enseignement hybride, compréhension de l'oral.

Abstract

This research work is part of the field of Amazigh language didactics.

With the advent of ICT (Information and Communication Technologies for Education) and digital tools, many studies have demonstrated the effectiveness of methods based on the use of technology in the classroom. Our research involves introducing the flipped classroom approach to teaching oral comprehension in secondary schools in order to test its effectiveness. We based our work on studies by Marcel Lebrun, considered as the pioneers of this pedagogy. The study was carried out on a sample of 23 pupils from the Lycée Chouhada Zenache in Bejaia. The research instruments used were : a questionnaire intended for our sample, an observation grid, a test after having experimented with the flipped classroom and an interview with the pupils to find out their opinions on this experiment. The results obtained show the beneficial effect of using the flipped classroom on secondary school students.

Keywords : digital tools, flipped classroom, hybrid teaching, listening comprehension.

ملخص

يندرج هذا العمل البحثي في مجال تعليم اللغة الأمازيغية. مع ظهور تكنولوجيا الاعلام والاتصال (تكنولوجيا المعلومات والاتصالات للتعليم (والأدوات الرقمية، أثبتت العديد من الدراسات فعالية الأساليب القائمة على استخدام التكنولوجيا في الفصول الدراسية. يتضمن بحثنا إدخال منهج الفصول المعكوسة في تدريس الفهم الشفهي في المدارس الثانوية من أجل اختبار فعاليته. لقد اعتمدنا في عملنا على دراسات قام بها مارسيل ليبرون، الذي يعتبر من رواد هذه التربية. أجريت هذه الدراسة على عينة مكونة من 23 تلميذا من ثانوية الشهداء زيناوش ببجاية. وأدوات البحث المستخدمة هي: استبيان مخصص لعينتنا، وشبكة الملاحظة، واختبار بعد تجربة الفصل المقلوب، ومقابلة مع التلاميذ لمعرفة آرائهم في هذه التجربة. وأظهرت النتائج التي تم الحصول عليها الأثر المفيد لاستخدام الفصول الدراسية المقلوبة على طلاب المدارس الثانوية .

الكلمات المفتاحية: الأدوات الرقمية، الفصول المقلوبة، التدريس الهجين، الفهم الاستماعي