

The use of modern technological tools in language teaching at Sudanese basic education: (A case study of grade seven)

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Abstract

The study aimed to use modern technological tools inside the classroom, the use of power point in teaching vocabulary and the use of YouTube in teaching storytelling so as to enhance learning process at basic education grade seven. The method of collecting data is a questionnaire for eighty teachers of basic education in Khartoum North. The researcher used SPSS to analyze the collected data. The findings of this paper showed that using modern technological tools is a successful technique to improve learners' learning ability, face book is one of the most positive tool in bringing culture into the classroom, storytelling should be supplementary reading material beside the curriculum, training for teachers in teaching strategies as well as to identify them to deal with technology.

Keywords: technology, PowerPoint, YouTube, Facebook, motivation

Introduction

One of the outstanding things is the internet access. It is essential to visual teaching and learning processes. The video is considered as one of the most important components of modern technology. It is used for entertainment, news, and advertising (Purcell, 2010). It is the fastest tool for post, in sending messages faster than the others traditional tools.

Moreover, Technological tools are becoming available. They are the most powerful innovation, so far. They are considered as the most important vital source of gaining knowledge. They adopt the technology of the internet that leads to efficiency and feedback. The one-line teaching is a potential source for enhancing the teaching process. There are many technological tools which can be used in teaching processes. One of them is the YouTube. It is a very lovable and common web video sharing site. It allows everybody to store video for public and private viewing. YouTube provides a venue for sharing video among pupils, friend, and family. YouTube creates interactive content, consistent updates, and it is more reliable. It fixes real-time connections with other people. Richard (2008) discussed the positive qualities behind using YouTube and video in accumulating knowledge and effective tools for the learning processes.

On the other hand, Facebook is one of the most effective tools. It is spreading widely in the pedagogical process. Recently a majority of pupils consider Facebook as one of the effective tools in social media. Cohen, (2009) emphasizes that information science framework analyze the role of Facebook in mediating data among learners. They act as informants and clients. Facebook was created in 2004 by Mark Zuckerberg whose mission was to bring people together with different backgrounds and encourage interaction (Face book, 2010). Facebook can be accessed at any time and anywhere. It functions when pupils' share their mobiles, smartphones and software devices in general.

Facebook facilitates the dynamic interchange of the roles between the learner and the instructor. Facebook is the most effective tool for bringing culture into the classroom. Storytelling develops fluency and accuracy. Students acquire

the language in a funny way that enables them to speak.

Challenges of using technology with teachers

Technology nowadays is accessible; it widens the window for those who need it as a technological tool in education. Within the enormous data of technology, there are obstacles hindering the maximum use of it. In Sudan at basic education teachers lack technological awareness. The scarcity of technology devices is one of the shortcomings. Teachers themselves report that they could face a challenge during the implementation of technological tools as a method in the teaching processes.

(Bull & Kajder, 2004) ^[2] Explain that educators need to become confident users of digital images. (Ohler, 2008) ^[4] views that teachers may want to have access to tools in language teaching such as a projector that helps in showing the video as well as a microphone for the sake of clear narration and animation software towards young learners. They are tools of motivation for the majority of pupils. At the same time, pupils will read deeply and will have a wide scope of knowledge. They will create a feeling of proficiency and increases self-trust among learners. Pupils will act perfect performance in dealing with technology. They help them to use the problem-solving skills, sharing personal stories and engaging in different thinking skills. They have proved as gifts experiences for both teachers and learners. They are appropriate methods in teaching storytelling for young learners.

The effect of using PowerPoint for teaching vocabulary

Technological tools bring benefits into the classroom. According to (Neumann & Foskinen, 1992) ^[3] the use of technological tools in the class is one of the factors which influence pupils' attitudes in a beneficial way in their teaching processes. Pupils may have a chance to see the real world with authentic materials at a low price. They observe on the screen of a laptop or computer. PowerPoint creates a kind of motivations and creativity skills towards pupils.

(Hutches, 2010) ^[1] notices that technological tools can be a

helpful tool when learning a foreign language (FL). In addition to that technological tools make the learning process easier for both teachers and learners.

Using technological tools can help approaching teachers' goals and objectives in the learning process. They reach these goals and objectives through the availability of using e-books, blogs, and internet applications among pupils' societies. It makes pupils' interested in the reading and entertains them. PowerPoint presentation software program allows users to make use of the images, colored texts with simple animation (Microsoft 2000). It makes pupils' care very efficiently and increases pupils' attitudes. Another positive point of power point is that it has different styles of writing systems with more creativity. It can accommodate all learners' needs. It is funny to watch and fun to make. It allows manipulate images, color, sound, and video. It enriches pupils' knowledge in increasing vocabulary. It helps in teaching especially in large classroom and teachers become familiar with it. Schmitt (2000) states that the point is that pupils must learn a large number of words to become proficient in English. No doubt, PowerPoint presentations "will help transform routine lesson into lively memorable session.

Facebook and culture in the classroom

Facebook is considered as the fastest method to bring culture into the classroom effectively. There are many goals to introduce culture in the classroom:

1. To increase motivational management in the classroom.
2. To help provide access to a wide variety of source that reinforces different instructional effects.
3. To develop workable rules and standards for classrooms' teachers and to help manage pupils owned technologies.
4. Selecting library resources with mobile computing devices in pupils' mentality.
5. To make the learner well culturalized with different sources of culture in a wide amount of information easily and quickly.

The statements of the research problem

Teachers had difficulties in applying language teaching methods, especially modern technological tools, because they had limited training in using modern technological tools effectively. Some of the teachers have no idea how to deal with these methods. There is also a problem that young learners hardly grasp vocabulary traditional methods. The researcher viewed that depending on the curriculum is not quite enough so, storytelling is a vital source to develop young learners' reading ability.

The significance of the research

The significance of this paper is to identify the most important factors that positively affect language teaching methods (modern technological methods inside the classroom).The ultimate goal is to use modern technological tools in teaching storytelling.

Objectives of the research

1. To identify the factors that negatively affect in language teaching methods.
2. To identify the importance of using power point in teaching vocabulary.
3. To identify the importance of YouTube in teaching storytelling.

Methodology

The researcher used a questionnaire for teachers to determine the factors that negatively affect language teaching methods through technology. This paper had implemented two steps procedures: Data collection and data analysis.Data were gathered from teachers of basic schools.

Subjects

The population of this paper was teachers of English language who taught English at Khartoum North governmental basic schools. Those teachers were different in numbers of years teaching background experiences and attitudes towards teaching English and storytelling at grade seven.

Instruments

Instruments for data collection of this study included teachers' questionnaire. This study provides data from participants' perspective.

Questionnaire

Table 1

Name	Place of work
1.Pro/ Gobara Abdallah Elhassan	University of Khartoum
2. Pro/ Ahmed Babikir Eltahir	Moghtaribeen University
3. Abdallah Yassin	SUST
4.Prof/ Eltayib Elmansory	International University of Africa

Procedures

In this paper the researcher distributed a questionnaire to answer research questions. The data were limited to factors that negatively affect English teaching methods through technology. Then the researcher collected data so as to analyze them.

Data collection

The researcher designs a questionnaire for collecting data.. The questionnaire targets teachers in basic education. Teachers in Sudan at Khartoum state. The number of teachers is 80 teachers from two genders male and female in different positions. The questionnaire has multi-statements. These statements were filled by the teachers. The purpose besides answering these statements was to evaluate teachers' performance through modern technological tools as mean in the teaching processes. This is to see the significance of using technology rather than traditional tools. The researcher intends to investigate the positive sides besides using technological tools for learners. This paper targets grade seven at basic education in Sudan.

Data Analysis and Discussions

All the collected data from the questionnaire are analyzed, arranged, classified into two types. The first type is through modern technological tools. The second type is through traditional tools. The aim of the questionnaire is to assess the feasibility of modern technological tools for pupils' performance. Modern technological tools are considered as highly motivated and support the pedagogical process positively. The data collected from the teachers is to reveal the quality of using technology in language teaching in the classroom. Moreover, most of the teachers are still dependent on

traditional methods such as printed notes, the conventional markers, chalks, and black and white boards in the teaching processes. They are dependent on the traditional methods for the following reasons; they are lack of modern technological tools inside the classrooms, they lack of electrical laboratories, classrooms and the environment of schools are not well appropriate for young learners, expert and old teachers have technophobia that is to say they are not able to deal and utilize technology. The researcher views that using modern technological tools in the classroom is one of the positive learning process. So, a questionnaire of teachers was emphasized the experiment. The analysis of the statements explains well the validity of the questionnaire.

Table 2: Storytelling is one of the most effective tools on enhancing young learners' reading ability.

Valid	Frequencies	Percentage %
Strongly agree	20	25.0%
Agree	57	71.3%
Disagree	3	3.7%
Strongly disagree	0	0.0%
Total	80	100.0%

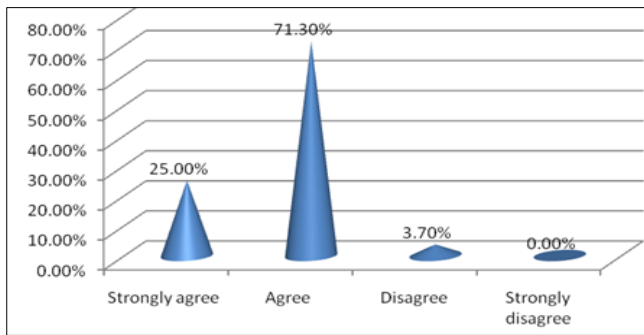


Fig 1

Table (1) illustrates the views of the distribution of the sample by the strongly agree (%25.0) and agree by (%71.3) and disagree by (%3.7) and strongly disagree by (%0.0).The researchers views these percentages assured that storytelling is one of the most effective tool on enhancing young learners' reading ability.

Table 3: In basic schools there is scarcity of using technology in learning process.

Valid	Frequencies	Percentage %
Strongly agree	25	31.3%
Agree	40	50.0%
Disagree	14	17.5%
Strongly disagree	1	1.2%
Total	80	100.0%

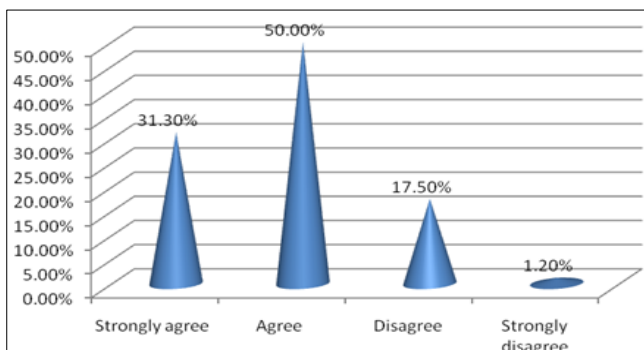


Fig 2

Table (2) illustrates the views of the distribution of the sample by the strongly agree (%31.3) and agree by (%50.0) and disagree by (%17.5) and strongly disagree by (%1.2).The researcher found out modern technological tools are not available. The scarcity of these tools is the main reason to deteriorate teaching process.

Table 4: Storytelling enriches pupils' vocabulary at basic level

Valid	Frequencies	Percentage %
Strongly agree	23	28.8%
Agree	47	58.8%
Disagree	7	8.7%
Strongly disagree	3	3.7%
Total	80	100.0%

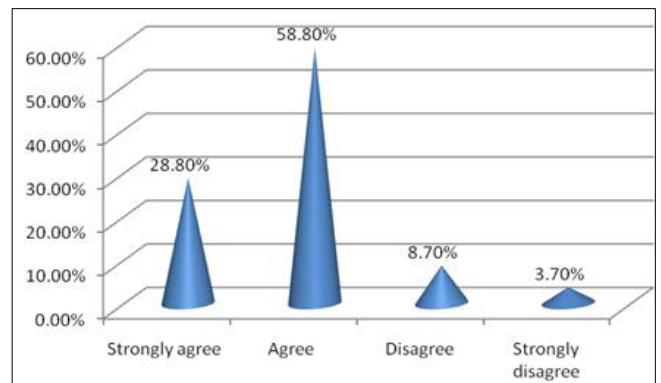


Fig 3

Table (3) illustrates the views of the distribution of the sample by the strongly agree (%28.8) and agree by (%58.8) and disagree by (%8.7) and strongly disagree by (%3.7).These percentages of agree and strongly agree indicate that storytelling enriches pupils' vocabulary especially when teachers use power point.

Table 5: Teaching vocabulary through PowerPoint is the one of the most effective tool in learning process.

Valid	Frequencies	Percentage %
Strongly agree	28	35.0%
Agree	39	48.8%
Disagree	11	13.8%
Strongly disagree	2	2.5%
Total	80	100.0%

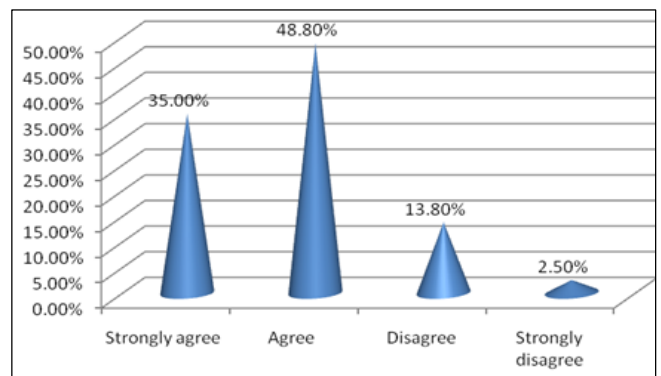


Fig 4

Table (4) illustrates the views of the distribution of the sample by the strongly agree (%35.0) and agree by (%48.8)

and disagree by (% 13.8) and strongly disagree by (%2.5).The researcher figured out the use of PowerPoint is a successful tool to enrich pupils' vocabulary.

Table 6: Social media nowadays affects to pupils' learning ability negatively

Valid	Frequencies	Percentage %
Strongly agree	8	10.0%
Agree	19	23.7%
Disagree	44	55.0%
Strongly disagree	9	11.3%
Total	80	100.0%

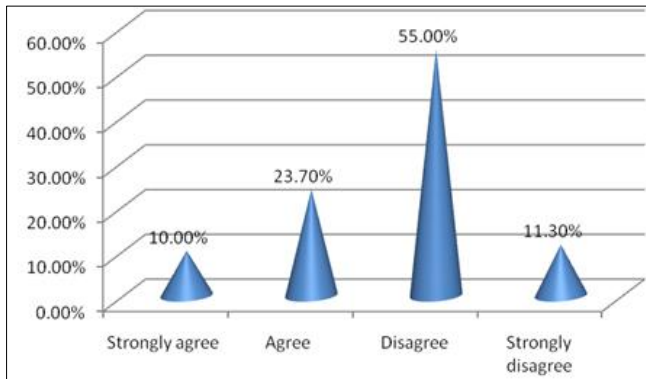


Fig 5

Table (5) illustrates the views of the distribution of the sample by the strongly agree (%10.0) and agree by (%23.7) and disagree by (%55.0) and strongly disagree by (%11.3).The researcher viewed that the percentages of disagree shows that social media has positive sides and has less negatives ones.

Table 7: Repetition is one of the most effective tools for young learners at basic education.

Valid	Frequencies	Percentage %
Strongly agree	8	10.0%
Agree	49	61.3%
Disagree	23	28.7%
Strongly disagree	0	0.0%
Total	80	100.0%

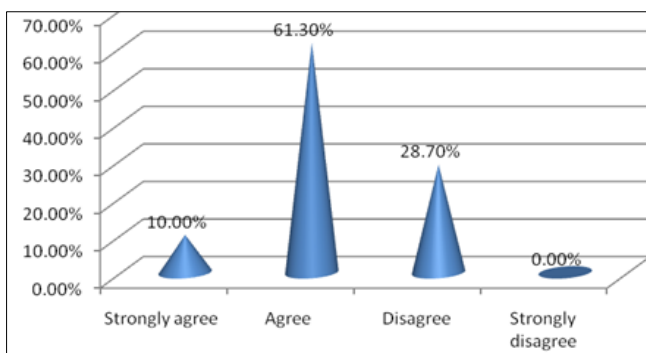


Fig 6

Table (6) illustrates the views of the distribution of the sample by the strongly agree (%10.0) and agree by (%61.3) and disagree by (%28.7) and strongly disagree by (%0.0).The researcher discovered that redundancy and repetition is very necessary for young learners.

Table 8: Depending on SPINE material is not quite enough to enhance pupils' reading ability.

Valid	Frequencies	Percentage %
Strongly agree	39	48.8%
Agree	28	35.0%
Disagree	11	13.7%
Strongly disagree	2	2.5%
Total	80	100.0%

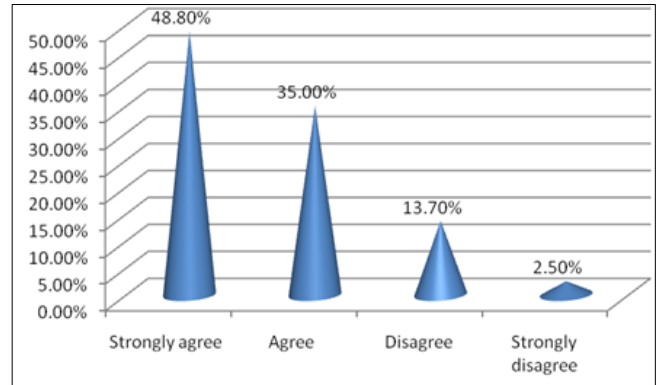


Fig 7

Table (7) illustrates the views of the distribution of the sample by the strongly agree (%48.8) and agree by (%35.0) and disagree by (%13.7) and strongly disagree by (%2.5).The researcher viewed that participants answers of strongly agree emphasized that supplementary material is needed as a tool of aiding young learners' reading ability beside to the curriculum.

Table 9: Teaching storytelling through YouTube "video" is one of the most positive learning strategies as well as motivational tool.

Valid	Frequencies	Percentage %
Strongly agree	33	41.3%
Agree	32	40.0%
Disagree	10	12.5%
Strongly disagree	5	6.2%
Total	80	100.0%

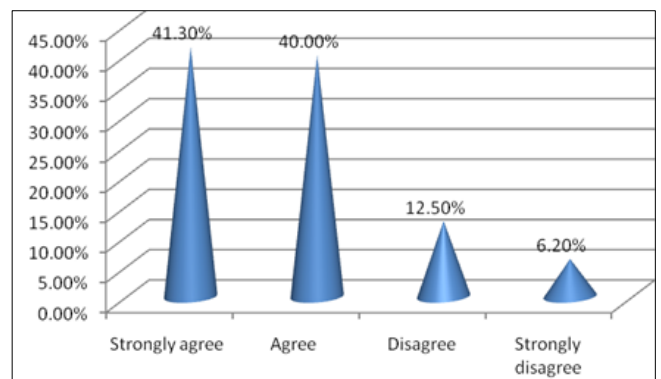


Fig 8

Table (8) illustrates the views of the distribution of the sample by the strongly agree (%41.3) and agree by (%40.0) and disagree by (%12.5) and strongly disagree by (%6.2).The percentages of agree and strongly agree indicate that teaching storytelling through video is effective tool inside the classroom in favor of motivational tool towards young learners.

Table 10: Novice teachers nowadays need more qualifications in learning strategies while old ones need more dozes in how to use technological devices appropriately.

Valid	Frequencies	Percentage %
Strongly agree	35	43.8%
Agree	33	41.2%
Disagree	8	10.0%
Strongly disagree	4	5.0%
Total	80	100.0%

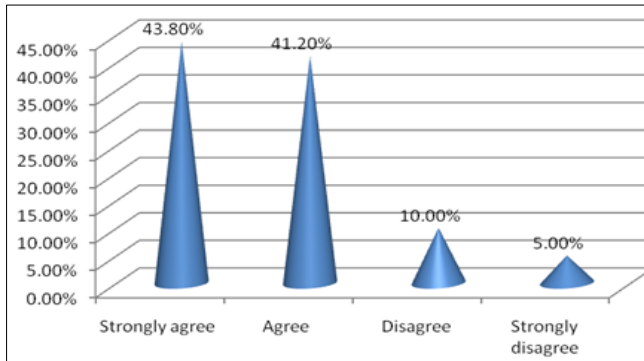


Fig 9

Table (9) illustrates the views of the distribution of the sample by the strongly agree (%43.8) and agree by (%41.2) and disagree by (%10.0) and strongly disagree by (%5.0). The researcher found out majority of novice teachers needs more qualification of teaching strategies while the old ones needs dozes of how to deal with technology perfectly.

Table 10: Face book is one of the most positive and effective social media to bring culture into the classroom and it is considered as a successful educational tool.

Valid	Frequencies	Percentage %
Strongly agree	17	21.2%
Agree	40	50.0%
Disagree	20	25.0%
Strongly disagree	3	3.8%
Total	80	100.0%

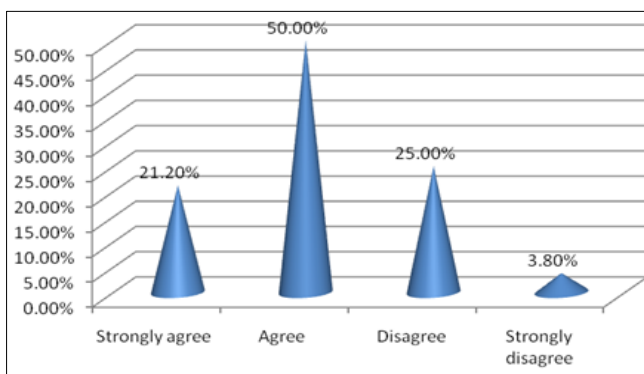


Fig 10

Table (9) illustrates the views of the distribution of the sample by the strongly agree (%21.2) and agree by (%50.0) and disagree by (%25.0) and strongly disagree by (%3.8).The researcher observed that using face book in language teaching considered is one of the most effective tool to bring culture into the classroom.

Table 11: Teaching storytelling through modern technology eliminates boredom and breaks down routine among young learners and makes them highly motivated.

Valid	Frequencies	Percentage %
Strongly agree	24	30.0%
Agree	48	60.0%
Disagree	5	6.2%
Strongly disagree	3	3.8%
Total	80	100.0%

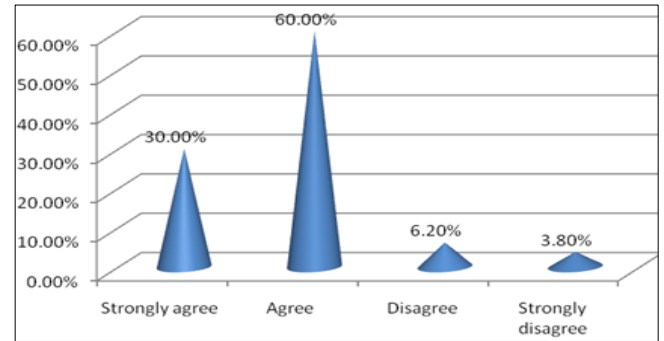


Fig 11

Table (10) illustrates the views of the distribution of the sample by the strongly agree (%30.0) and agree by (%60.0) and disagree by (%6.2) and strongly disagree by (%3.8).The researcher viewed that teaching storytelling through technology is one of motivational tool and eliminates boredom among young learners.

Table 12: The majority of teachers at basic education need to teach vocabulary only through translation ignoring other important methods.

Valid	Frequencies	Percentage %
Strongly agree	19	23.8%
Agree	37	46.2%
Disagree	18	22.5%
Strongly disagree	6	7.5%
Total	80	100.0%

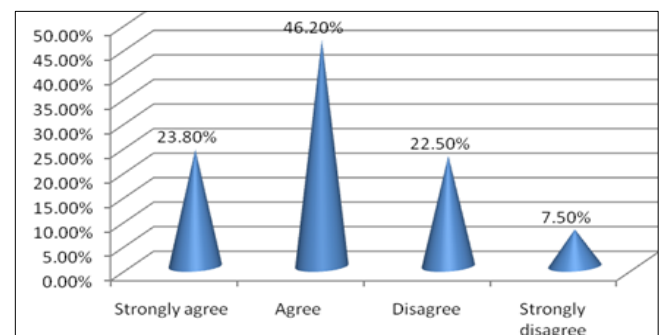


Fig 12

Table (11) illustrates the views of the distribution of the sample by the strongly agree (%23.8) and agree by (%46.2) and disagree by (%22.5) and strongly disagree by (%7.5).The researcher observed that majority of teachers tends to teach vocabulary through translation. They do not use other methods especially power point. They tend to use traditional methods.

Table 13: Storytelling is one of the methods to promote pupils' reading ability.

Valid	Frequencies	Percentage %
Strongly agree	10	12.5%
Agree	45	56.2%
Disagree	23	28.8%
Strongly disagree	2	2.5%
Total	80	100.0%

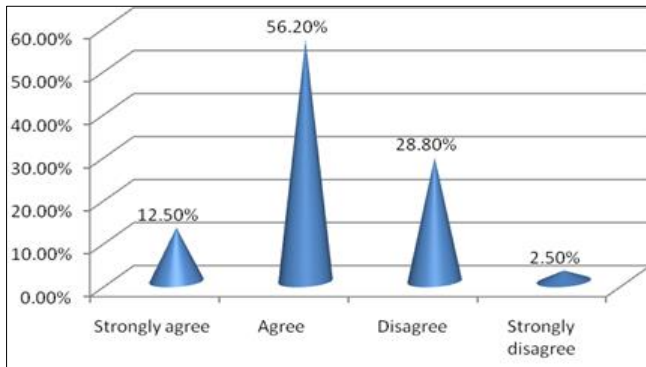


Fig 13

Table (12) illustrates the views of the distribution of the sample by the strongly agree (%12.5) and agree by (%56.2) and disagree by (%28.8) and strongly disagree by (%2.5). The researcher found out that storytelling is process develop pupils' reading ability sine it creates eagerness and motivations towards young learners.

Cranach's alpha method

Where reliability was calculated using Cranach's alpha equation shown below:

$$\text{Reliability coefficient} = \frac{n}{N-1} * \frac{1 - \text{Total variations questions}}{\text{variation college grades}}$$

$$\text{Validity} = \sqrt{\frac{n}{N-1} * \frac{1 - \text{Total variations questions}}{\text{variation college grades}}}$$

Cranach alpha coefficient = (0.91), a reliability coefficient is high and it indicates the stability of the scale and the validity of the study

Validity coefficient is the square of the islands so reliability coefficient is (0.95), and this shows that there is a high sincerity of the scale and that ensures the efficiency of the

Table 15: illustrates chi-square test results for respondents answer about the Questionnaire

No		Chi-square value	df	Sig	Median	Interpretation
1.	Phrases		2	0.000	4.00	agree
2	In basic schools there is scarcity of using technology in learning process	24.25	3	0.000	4.00	Agree
3	Storytelling enriches pupils' vocabulary at basic level	24.21	3	0.000	4.00	Agree
4	Teaching vocabulary through PowerPoint is one of the most effective tools in learning process	23.25	3	0.000	2.00	Agree
5	Social media nowadays affects pupils' learning ability negatively	41.21	2	0.000	4.00	Disagree
6	Comprehensive input is the one of the most effective tools for young learners at basic education	35.25	3	0.000	5.00	strongly agree
7	Depending on SPINE material is not quite enough to enhance pupils' reading ability	36.34	2	0.000	5.00	strongly agree
8	Teaching storytelling through YouTube "video" is one of the most positive learning strategies as well as a motivational tool	32.10	3	0.000	5.00	strongly agree

study.

The table below (12) views the frequencies distribution between the modern technological and traditional tools

Table 14

Value	traditional method		modern technological method	
	Frequency	Percentage	Frequency	Percentage
Pass	14	%31.8	28	93.3%
Fail	30	68.2%	2	6.7%
Total	44	1000%	30	1000%

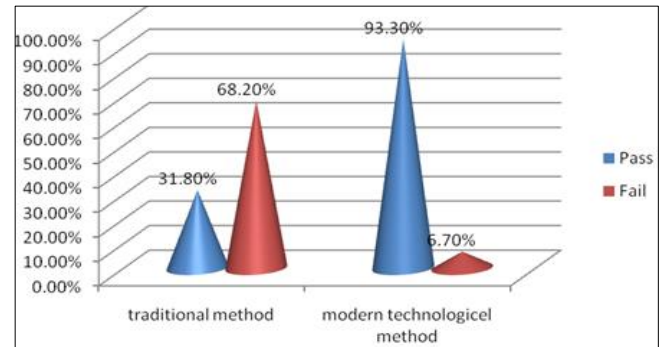


Fig 14

The table above (13) illustrates the views of the distribution of the following percentages of the traditional method with degree of pass(31.8%) while the degree of failure (68.2). The researcher observed that the percentages of success in modern technology with degree of pass(93.3%) and the degr of failure(6.7%)

Table 15: Modern technological and traditional tools

Method	Mean	Stander deviation	T test	DF	Sig.	Significant
Traditional method	7.33	4.38912	5.154	29	.0000	Significant
Modern technological method	12.07	2.67728				

The table above(14) illustrates that the value of T-test(5.154) with significance value(0.000) and this indicates that less probability value (0.5) and this explains there is statically significant difference between the modern technological tools and traditional tools. So, the researcher views that the most successful method in language teaching in favor of modern technological tools.

9	Novice teachers nowadays need more qualifications in learning strategies while old ones need more dozes in how to use technological devices appropriately	28.25	3	0.000	4.00	Agree
10	Face book is one of the most positive and effective social media to bring culture into the classroom and it considered as successful educational tool	29.20	3	0.000	4.00	Agree
11	Teaching storytelling through modern technology eliminates boredom and breaks down routine among young learners and makes them highly motivated	41.98	3	0.000	4.00	Agree
12	Majority of teachers at basic education need to teach vocabulary only through translation ignoring other important methods	35.87	3	0.000	4.00	Agree
13	Storytelling is the only method to promote pupils' reading ability	27.90	3		4.00	Agree

Conclusion

There are statistically difference between the modern technological tools and traditional ones. This study found out some important points:

1. In basic schools there is scarcity of using technological devices in learning process.
2. Storytelling enriches pupils' vocabulary especially when they teach them through PowerPoint.
3. Social media is an appropriate tool in learning process and it affects young learners' learning ability positively.
4. Supplementary reading material at basic education in priority beside the curriculum.
5. Teaching storytelling is considered as one of the most successful teaching /learning process.
6. Continuous training for novice teachers on learning strategies and identify them with the importance of technological tool in learning process.

The findings of the research

The findings of this paper showed that:

1. Using modern technological methods is a successful tool to improve young learners' learning ability.
2. Facebook is one of the most positive tools in bringing culture into the classroom.
3. Storytelling should be supplementary reading material beside the curriculum.
4. Workshop of qualifications and training for novice teachers of basic schools in teaching techniques and strategies.
5. Exported teachers need to identify them about using technology in language teaching.

Recommendations

There are recommendations based on the above findings of this study.

1. Teachers should be equipped well in teaching strategies and techniques.
2. Storytelling should be additional reading material beyond the curriculum.
3. Technology should be involved into the classroom as tool of teaching.

Suggestions

The researcher suggests the following studies;

1. The impact of technology in teaching storytelling at grade six.
2. The role of teaching storytelling on enhancing young learners' critical thinking at grade eight.
3. The effect of using modern technological tools on enhancing teachers' ability in language teaching.

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