

Evaluation of the Computer Book for the First Grade According to Computer Culture

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Abstract: *This research attempted to investigate the views of teachers who teach computer subject to the pupils in the first class of intermediate schools in both Al-Karkh and Al-Rasafa areas. The sample of this study consisted of (241) teachers who distributed (116) teachers in Al-carkh schools and (125) teachers in Al-Rasafa schools. For collecting the data the measure utilized as the questionnaire after confirming the validity and reliability. Data were analyses by using the percentage. The findings of this research were the following: The agreement of the views of most computer teachers and teachers of the first grade students on the need to carry out a comprehensive evaluation of the book of the course of progress and progress away from 'monotonous' and according to the standards of computer culture as a reflection' of their content of curriculum content. The need is urgent and necessary for this calendar to provide the best students and out of the world of the classroom to an open educational environment accessible from anywhere in the world with the help of modern technology and the flow of knowledge. The evaluation can enable the decision-makers can make appropriate decisions about educational development in general and curriculum development in particular and to know what is achieved.*

1. Research Problem

The modern world is witnessing a great and rapid development in the various cases of knowledge and modern technologies and the work to employ them to serve the community and develop it has become an indispensable necessity can not be dispensed with the aim of preparing and preparing future generations of the future by providing them with skills and And knowledge and modern technologies that help them to adapt to those living conditions and their ability to deal with the problems of society in which they live, which requires to keep up with this huge development or so-called cognitive explosion that takes place in this world, especially in the process of learning, With all its elements represented by the textbook as a curriculum and a basic reference to the student and an important source of knowledge, which requires the ministry as the institution concerned in this regard to take deliberate steps and build the transition of this course from the state of censorship and traditional systems to the accuracy environment and Quality standards and e-learning systems for the most recent and tangible transition in the level of education, where students and teachers technical information on which to base on it, So that they can meet the requirements of the age and evaluate it from time to time because what fits a generation between a certain time period may not be appropriate or not appropriate when applied in another era of time and be more able to keep pace with development and achieve the desired goals as required by education In particular, and the society in general, based on the above and to address these changes involved in all areas, which requires a review of the reality of education in all its aspects and formations, especially in the field of content and quality of education here highlights the problem of research to the connection between students and their textbooks Which is an important educational tool and the need to match with the comprehensive quality standards that gap, which may contribute directly and indirectly to the process of alienation of students from these books or courses and stimulate the determination of teachers in the role to play their role in the effective In order to achieve the educational goals required, which may lead to the passage of negative phenomena reflect negatively on the

level of education and its outputs and thus be an example of concern and fear of this decline or decline in the educational level and failure to achieve those goals so the researchers and through their visits For a number of primary and high schools, and corresponding to a sample of teachers and teachers of computer grade for the first grade in the schools of the Directorate of the first Rusafa and the first Karakh as well as the complaints of parents of parents in the parents and teachers about the difficulties faced by their children in this article and From this point of view, the research problem became apparent in the need to evaluate the computer book for the first intermediate grade according to the results of the new technologies and the proposals for its development. In other words, the research problem lies in the following:

- a) The low level of computer skills and the requirements of the overall quality and calibration • The curriculum of the computer book is classified by the control and a lot of negatives and problems that need to be addressed.
- b) The computer book has not been evaluated for several years, which requires researchers to take steps A serious effort to adapt to the modern trends in the development and advancement of technology to enter the educational computer in all schools in Iraq.

2. The Importance of Research

for the current era is the era of accelerated scientific progress and the explosion of knowledge called the accompaniment of massive population influx as well as the opening of the global openness and international cooperation due to the huge changes that take place in all fields and perhaps the most important educational field, The most important aspect is the active aspect of all the civilizations of the world. As education is a human, social, cultural and economic process, it has become the goal, the goal in this vast world and in all historical periods. As it is a continuous process that starts from the beginning of life and ends with its end. Therefore, education has assumed its advanced status after it has become a real force and a means of competition among the countries of the world and the focus of the interest of researchers, scientists and society as a whole. In light of

these changes, participation, accelerated scientific progress and technological development, education has become more organized, diversified and stronger in the process of building its children and society for its important role, race and competition among nations and peoples of the contemporary world in order to achieve greater progress and excellence, for possessing unique technological methods and manpower that have the potential for creativity, production, development and change. The best witness to this is what we see in Japan, China, Germany, the United States and others for their interest in education and human making, which I undertook to care and guidance throughout the stages of its development and study the influences and changes that take place in those years and address them in line with the objectives of society and its components. With the elements of the age and its current problems and to achieve education for its objectives has been based on the curriculum as an important component of the educational process and the achievement of the goals and philosophy of the state, in other words, it reflects the reflection of the philosophy of the State and its objectives. Therefore developed countries have made a lot of efforts and attempts in the countries of the world which has extended for a century in this aspect because of its importance and its strong and strong pillars to represent the clear evidence of the importance that these countries attach to the curricula and countries such as the United States of America, Japan, France, Britain, Germany, China and Russia. It adopts its advanced curricula as a means of launching towards achieving its goals, building its societies and aspirations, and upgrading its institutions and its relation to the spirit of the present era, which is witnessing a tremendous cognitive explosion, information revolution, scientific developments and variables that are governed by the development of life and the environment.

The school book is only a component of society, an important input of the educational system and an effective tool in educational situations. It covers the content of the entire subject matter, the application of the practical vocabulary of the curriculum, the translation of its objectives and tools and its use in the educational process and attitudes. As the window through which the student to view the world of knowledge so interested and curriculum experts to evaluate and modify the textbook of the most important elements and the process of review and revision and amendment is an essential part of his evaluation (Musawi 2011 181-185).

And build a strong relationship between the curriculum and the textbook to address the challenges and transformations that occur in the world and the availability of elements of strength and attention to the demands of students to achieve the desired goals. The importance of the computer book in the development of scientific thinking and skills of students and their compatibility with the developments and new technologies as the study may be reflected positively on many of the practical applications needed by the student in his daily life and we may make him more understanding and proficiency of computer skills and assimilation of it and from this point has become learning computer material. In this sense, learning computer material has become an urgent necessity imposed by the changes and challenges that students should face to enter the world of knowledge and the

availability of the quality standards that characterize the students when they study this article more and make them more enthusiastically. And a rush to learn this article on the basis of the scientific foundations and individual differences between students through the process of comprehensive and continuous evaluation, which contribute in one way or another in the process of achieving the goals required after the quality has become a basic criterion in the issuance of the importance of calendar provisions (Almlohi, 2003:9).

Based on the above, the researcher believes that the importance of evaluating the computer book as a curriculum for students and as a means of assistance to both teacher and student as important elements of the educational process is to improve and develop the events of learning better in line with developments in the world. In all areas, taking into account the standards of computer culture and the reform of the educational system.

3. Research Aim

The purpose of the research The current research aims at the following:

- 1) Conducting a comprehensive assessment of the computer book for the first grade students on average according to the standards of computer culture and its review and through
 - Focusing on the positive aspects and supporting them and identifying weaknesses and working to overcome them. And treatment after standing on the views of computer teachers and educators.
 - To find the differences of statistical significance in the evaluation of the computer material for the first grade according to the average gender.

Limitations of the research The research is limited according to the following

- a) Contents of the curriculum of the computer book for the first grade. The average is written by a committee in the Ministry of Education, the fifth edition of 2014, issued by the Directorate General of Curricula except for the questions, pictures and indexes.
- b) Teachers and teachers of computer material in the schools of Rusafa the first medium and secondary of the Directorate of working to raise the first Rusafa for the academic year 2016-2017.
- c) Teachers and teachers of computer in the schools of Rusafa first intermediate and secondary Directorate of the General Education to raise the first Rusafa for the academic year 2016-2017.
- d) Teachers and teachers of computer material in schools Karkh first medium and secondary Directorate of the Directorate of Education for the first Karkh for the academic year 2016-2017.

4. Terms Definition

1) Evaluation

- a) Evaluation in the language of the changed thing.
- b) The evaluation is a term used by many specialized researchers, including definition of:

- Bashir (2005), the total number of judgments that generate something and other aspects of the educational process and identify the strengths and weaknesses and study the factors and circumstances affecting it and then propose solutions that correct the path to achieve the desired goals (Bashir, 2005: 269).
- (Mayahi, 2010) definition: is the process of issuing a particular judgment on a particular person or person in the light of the accumulated information, the degree of measurement and the objectives to be achieved. It is also a process of diagnosis and treatment at the same time through which to identify the strengths and imbalances of the object to be evaluated in order to improve the educational process (Mayahi, 2010).
- Attia (2013) defined it as the process in which appropriate information is selected for the purpose of creating the data needed to make decisions and to choose the appropriate alternative among a range of alternatives (Attia 2013).
- **Procedural definition of the evaluation** is a method of collecting information and data on the computer book and analyzing these data in a scientific way to identify the strengths and weaknesses in it and make judgments on it, which leads to its development.

2) The textbook

- (Qatami 2007) defined as a book determined by the Ministry of Education to be taught in a row of classes according to the vocabulary of the curriculum adopted in accordance with the criteria set by the educational institutions responsible and provide the basics of the course, which facilitates the teacher and teacher to know the main topics which makes it easier for the teacher and teacher to identify the main topics related to the objectives of the curriculum and thus represents the minimum level of knowledge for all students of the same class (Qatami, 77 2007).
- (Tamimi, 2011) defined as a system that deals with the content component which is one of the elements of the curriculum in order to help teachers and learners to study and study it in a particular class and in a specific subject to achieve the objectives (Tamimi, 271: 2011).
- (Youssef 2002) defined as the highest level of quality in performance and specifications that can be accessed and based on the evaluation of the levels of performance and different specifications for anything and then the judgment (Youssef, 504 2002).
- The procedural definition of the researchers on the basis of those bases and rules by which the judgment according to the place or standards of computer culture to evaluate the curriculum (computer).

3) The first of the Which is relevant to the student's growth characteristics at this stage (Iraqi Republic, Ministry of Education, 1988) grade

The first of the secondary grade that begins with the intermediate stage in Iraq, which is the period of the three-year period starting from the completion of the student or the equivalent stage, and this stage is the basic evidence of transition to the middle school stage and purpose of student education.

4) Computer Subject

(Yassin and Hatem, 2010) as a material given to learners in order to enable them to deal with the computer by providing them with the skills and knowledge they need to live in an advanced technological world, through which they can handle information, solve problems and deal with Computer requirements and various programs (Yassin and Hatem, 2010: 51).

The researcher defined it as the subject matter that is determined by the General Directorate of Curricula in the Ministry of Education for the first and second grades students in the intermediate stage and aims to provide them with the knowledge and skills related to the computer programs Language, databases and the associated installation and application of the operating systems.

5) Comparison between current research and previous studies

After having been briefly studies show the researcher tried to identify the differences and agree between them through the budget procedure as follows:

- **Objectives:** Most of these studies were reviewed by the researcher aimed at evaluating computer books through knowledge of the strengths and weaknesses in them. This is in accordance with the content contained in the content of computer science books with this research with the need to add some suggestions that may help Researcher in filling the gaps and shortcomings in order to develop and evaluate.
- **The place of the study** The places of the previous studies have varied if some of them were conducted in Iraq, including those conducted in Jordan and those conducted in Palestine
- **Sample** The samples of the previous studies were different, Some of them used the descriptive analytical method in analyzing the content as a research method. Most studies agreed to randomize their samples.
- **Research Tool** Most of the previous studies relied on the use of the questionnaire tool as a tool used to collect information and data.
- **Statistical Methods** Most previous studies have used duplicates, percentages and coefficient factors.

6) Aspects of the use of previous studies

After the researcher acquainted with previous studies similar and similar with their research and what is different and compatible with the current research has benefited from the field of:

- The construct and manage a tool to be discussed and applied.
- The process of selecting the research sample and identifying the types of samples and size.
- Know the most important procedures used in the analysis of the studied textbooks and the mechanism of their interpretation.
- Use statistical means to address the results achieved.
- The references and scientific references that influenced her research when she returned to it as well as the method of organizing of arab and foreign sources.
- To identify the statistical processing methods with the data collected and taken.

5. Research Procedures

The Research community: The current research community included computer teachers and teachers for the first grade students who study in the central schools of Karkh and Rusafa (241) teachers and schools (appendix 1).

- **Research Sample :** The researcher selected the sample of the research from the total society by (125) teachers and schools working in the schools affiliated to the General Directorate for the education of the first Rusafa and (116) teachers and schools studying this article in the schools affiliated to the Directorate General of Education Karkh. The selection of the sample is a very important process in achieving more accurate and careful results (Al-Obaidi, 1997 :58).
- **Research tool:** Research The researcher took some of the following research procedures in order to achieve the desired objectives of the current research.
 - 1) **Survey Study** In this study, the researcher surveyed the views of (20) teachers and schools of computer teachers for students of the first grade average (10) teachers, In Al-Karkh district and (10) in Al-Rusafa district by preparing an open survey questionnaire which includes four questions as shown in Appendix 2.
 - 2) **Distribution of forms** after the forms were collected from the survey sample after giving them sufficient time to answer frankly and clearly. - Read what is available in previous studies and theories related to the topic of research, and then emptying those answers and drafting them in the form of paragraphs and then unify them to form the preliminary image of the scale consisting of (49) paragraph distributed according to its fields, note Annex (2).

Validity

The researcher presented the paragraphs of the scale to a group of experts and specialists to be arbitrators to express their opinions and observations on them in terms of their affiliation, validity or representation or not, as shown in Annex 3 and in the light of those procedures, and the ideas were consolidated to be the measure in the final form of (41) paragraph distributed to measure the responses in a three-dimensional scale given to each specific agency according exactly applicable 3, Applies to some extent 2, Not applicable at all 1.

Reliability

The researcher then applied the scale to a random sample of (20) teachers and schools in the center of Karkh and Rusafa. After that, the researcher applied the test again after a period of more than three weeks on the application of the first test. This resulted in a stability of 0.82 by applying the Person equation for the purpose of the correlation between the first and second test scores. 4. Final application of the questionnaire. After the researcher confirmed the validity of the measurement and validity of the application and the consensus of most arbitrators and agreed to accept the proportion ranged between (90-100) so this percentage reassuring the researcher that the scale has become suitable for the application on the basic sample as final Which consisted of (41) paragraphs distributed in (8) areas.

6. Results

The results of this chapter are presented in the analytical presentation of the data in order to achieve the objectives defined by the present research, which focuses on the evaluation of the computer material for the first grade students. With regard to the first concepts and processes of technologies. The teachers of the material indicated that the sequence of these paragraphs according to their importance in the evaluation of Article 1, 4, 6, 3, 2, 5. With regard to paragraph (b), they ranked according to their importance from their point of view (3, 5, , 2, 6). The second paragraph, which included issues of ethical values with its three branches, arranged according to the priority of its importance as follows:

- a) (para. 1, 2).
- b) Paragraph (2, 1, 3).
- c) Paragraph 1, 2.

As regards the third of the tools for production in information and communication technology (ICT) technologies in their sub-sections, their order was:

- A:1, 2.
- B:2, 4, 1, 3.

whether the fourth paragraph, which contained the technical communication tools for the delivery of advanced software and modes of development, was arranged according to the importance of

- A:2, 1.
- b:1, 2.

With regard to paragraph V, which included modern technical research tools at its three branches, The following ranks were ranked according to their importance:

- A:1, 2.
- B:1
- C:2, 3, 1,

Paragraph 6, which indicated that the problems of techniques and tools for making good decisions were addressed in the order of paragraphs

- A:1, 2, 3.
- b:2, 1, 3.

7. Conclusions

According to the results of the research, the following researcher concluded :

- The consensus of the views of most computer teachers and teachers of the first grade students on the average of the need to carry out a comprehensive evaluation of the book of the course of development and progress away from monotony and according to the standards of computer culture as it is a reflection of an important space of curriculum content.
- The need is urgent and necessary for this calendar to provide the best students out of the world of grade to an open learning environment accessible from anywhere in the world with the help of modern technology and the flow of knowledge.
- The decision makers can make appropriate decisions about educational development in a practical manner and

develop the curriculum in particular and to know what is achieved from the desired goals.

8. Recommendations

- Emphasize the curriculum on everything that leads to building the personality of the student and the development of skills and constructive behavioral practices.
- The curriculum function is not limited to the methods of conservation and indoctrination of subjects, but the adoption of non-traditional patterns of education to strengthen the youth in the fields of education Recommendations
- Emphasize the curriculum on everything that leads to building the personality of the student and the development of skills and constructive behavioral practices. - The curriculum function is not limited to the methods of conservation and indoctrination of subjects, but the adoption of non-traditional patterns of education to strengthen the youth in the fields of education.

9. Suggestions

Computer courses Every person should learn the computer, its usage, its applications and its various parts, because it is necessary to save time and effort in receiving education, as well as the fact that computer literacy is an urgent necessity imposed by the variables of global openness.

References

- [1] The Holy Quran
- [2] Abu Allam, Raja Mahmood (2005), Science Assessment, 1, Dar Al-Masirah, Amman, Jordan
- [3] AshbuhFawzi Fayez and Mohia Mustafa Alyan (2010) Theory and Practice Technology, 1, Safa House, Amman, Jordan.
- [4] Al-Jader, Huda KhurshidShawkat (2004)Evaluation of computer curriculum for the preparatory stage from the point of view of educational specialists in the library, Master Thesis / Baghdad University, Faculty of Education Ibn al-Haytham.
- [5] Al-Abdul Karim, Maha Abdul Aziz (2007) Evaluation study of the e-learning experience in Al-Bayan Model School in Jeddah, Master Thesis, Faculty of Education, King Saud University, Riyadh.
- [6] Al-Atbi, Sami Aziz Abbas and Mohammed Yousef Hajim Al-Hiti (2013) approach to scientific research and concept
- [7] Al-Abdul Karim, Maha Abdul Aziz (2007) Evaluation study of the e-learning experience in Al-Bayan Model School in Jeddah, Master Thesis, Faculty of Education, King Saud University, Riyadh.
- [8] Al-Atbi, Sami Aziz Abbas and Mohammed Yousef Hajim Al-Hiti (2013) approach to scientific research and concept.
- [9] Alyan, Yahya Mustafa and Mohamed Abd El-Debs (2003), Communication and Educational Technology, 1, Dar Safa, Amman, Jordan.
- [10] Clinics, Yousef Ahmed (2014) Educational Computer and its Educational Applications, PO Box, Dar Al-Masirah, Amman, Jordan.
- [11] Karkhi, Majid (2014) Planning and Evaluation of Programs, i 1, Dar Al-Manajah, Amman, Jordan.
- [12] Al-MayahiJafar (2015) Dictionary of Educational and Psychological Term, 1, Al-Yamamah, Baghdad.
- [13] Al-MayahiJafar (2010) Psychological Measurement and Educational Evaluation, 1, Knowledge Treasures, Amman, Jordan.
- [14] Qarwani, Maher Nazmi (2010) Attitudes of Mathematics and Computer Students at Al-Quds Open University Salfeen Educational Zone Towards Using E-Learning in Learning Mathematics, Master Thesis, Jerusalem.
- [15] Omran, Khalid and Mohammed Najit (2015) Applications of the second generation of e-learning And his role in the use of the theory of communication in the education of social skills, 1, Dar Al-Mihaj, Amman.
- [16] Khaza'leh, Fatima Ahmed (2015) Communication and Technology Education, 1, Amjad House, Amman.
- [17] Al-Zand, WalidKhader and Hani HanamelObaidat (2010) Curriculum design designed to implement its evaluation developed, 1, the world of modern books, Irbid, Jordan.
- [18] Salim Mohammed Saber, YahyaAttiaSulaiman, Fayez Murad Mina, YousryAfifi, Hassan Sayed Shehata, and Hassan HamedFarraj (2006).Curriculum Building and Application, i 1, Dar Al Fikr, Amman, Jordan.
- [19] Daas, Mustafa Nimr (2015) Learning Technology and Computerization of Education, Dar Ghaida, Amman, Jordan.
- [20] Rabah, Maher Hassan (2015) E-Learning, Dar Al-Mahaach, Amman.
- [21] Shibli, Ibrahim and Raouf Abdul Razzaq al-Ani and Mohsen ObeidaNasrawi (1976), evaluation of the educational process, Baghdad.
- [22] Al-Shunak, Qasim Mohammed and Hasan Ali Bin Dumi (2009) The Basics of E-Learning in Science, 1, Dar Wael, Amman.
- [23] Abdul Khaliq and SharashAnis and Amal Abu Diab Abdul Khaliq(2008) Educational Technology and Modern Technologies, i 1, Dar Al-Nahda, Egypt.
- [24] Najdi, Samir (2011) Evaluation of the quality of e-learning in the open edition of Jerusalem in light of the international standards of quality, the Palestinian Journal of Open Education, No. 6.
- [25] Abssi, Mohamed Mustafa (2010) Realistic Calendar in the teaching process, 1, Dar Al-Masirah, Amman, Jordan.
- [26] Mohammad Taher Mohammed Al-Hadi (2012) Foundations of Contemporary Curricula, 1, Dar Al-Masirah, Amman.
- [27] MazenHossam Mohamed (2009) Technology of Local Education Resources - International, i 1, Dar Al-Ulm Wal-Iman, Kafr El-Sheikh.
- [28] Maroun, George (2010) The Foundations of Educational Evaluation and Standards, I 1, The Modern Institution of the Book, Tripoli.
- [29] Navigator, Mohammed Abdul Karim (2010) Electronic School and the Role of the Internet in Learning and Education, 1, Dar Al-Thaqafa, Amman.

- [30]The Malah, Mohamed Abdel-El-Karim (2010) Educational foundations for e-learning applications, 1, Dar Al-Thaqafa, Amman.
- [31] Clark, R.C., & Meyer, R.E. (2011), E-learning and the science of instruction, Proven guidelines for consumers and designers of multimedia learning John Wiley & Sons.
- [32] Haythornthwaite, C., & Andrews, R. (2011), E-learning theory and practice, sage publications.
- [33] Khan, B.H. (2004) "The people-process product continuum in e-learning: the e-learning Technology-saddle Brook then Englewood Cliffs NJ- 44(5), 33-40.
- [34] McCarthy, J. (2010) "Blended learning environment: using Social networking sites to enhance the first year experience". Australasian Journal of Educational Technology, 26 (6), 729-740.

Faculty of Education for Pure Sciences - Ibn Al - Haytham

Department of Educational and Psychological Sciences Arbitration of the questionnaire

Professor Dr.Mr. respected. Dear Professor. Dr.Mrs. Greetings ...

The two researchers conduct analytical research descriptive Entitled 'Evaluation of the computer book for the first grade according to the average computing culture' because of the experience we experience in you, we go to you, asking 'kindly answer the paragraphs of the questionnaire, amendment, add and delete, we care'. Thank you for your cooperation, a service for scientific research and kindly accept Yours Sincerely yours and appreciation.

Researchers

Dr.MaysonRyadh

Assistant lecturer. Mayson Kamal

Validation degree				Axis I Basic concepts and processes	paragraph
modified	Not valid	valid			
				1) Describe advanced and new sources of IT deployment.	A. Understand the nature of technological processes and systems nature and operations
				2) Know the potentials and limits of contemporary technology sources.	
				3) Evaluate the potential of the systems and services	
				4) The printing methods of the touch are periodically achieved with advanced methods quickly, accurately and efficiently.	
				5) Cooperate to evaluate the systems of devices.	
				6) Cooperate to evaluate programs	
				7) Collaborate to evaluate network systems.	
				1) Know the methods of using advanced facilities (compression programs - anti-virus).	b. Efficient in the recruitment of information technology and its initiatives
				2) Learn about the methods of defining physical components using online help and other people's experiences.	
				3) Learn about the methods of defining software components using online help and other experiences.	
				4) Learn about the methods of defining advanced network problems using online help and other experiences.	
				5) It uses physical components using the Internet.	
				6) The software components are using the Internet.	
				7) Solves the problems of the physical components using the Internet and the experiences of others.	
				8) Solves problems of software components using the Internet.	
				9) Solves advanced network problems using the Internet and other people's experiences.	
Validation degree				The second axis is the social, moral and humanitarian issues	
modified	Not valid	valid			
				1) Demonstrate recent trends in ICTs.	C1. Understanding the ethical, cultural and social issues related to technology
				2) Assessing the possibility of technological techniques for ethical and immoral uses in culture and society.	
				3) Analyzes the results of immoral use and computer technology	C2. Practice the reasonable use of technology, information and software systems
				4) Analyzes the costs of immoral use and computer technology.	
				5) Know how to protect technological systems from an unscrupulous moral user.	
				6) Analyzes current trends in ICTs.	C3. Develop positive attitudes towards technology that support lifelong learning, collaboration, personal endeavors and productivity .
				7) Discuss how technology affects cooperation and personal production.	

				Third Axis Technological Production	
				1) Advanced software features (ready templates, designs).	A.)Use technology tools to improve learning, increase production and demonstrate creativity. of technology models
				2) Advanced software features	

				3) Demonstrate the plan and procedures for developing multimedia production.	B) The use of productivity tools in the design
				4) Know the role of authoring tools	
				5) Know the sources of the software components.	
				6) Know the sources of the software components.	
				7) Implement cooperative projects with peers, experts, ordinary users, and users of advanced communication tools (collections - interactive pages - simulations - visual communication) to support curriculum concepts and community outreach	
Validation degree				8) Fourth axis :communication tools	
	Modified	Not valid	valid		
				1) Plans cooperative projects with peers, experts, ordinary users, and users of advanced communication tools to support curriculum concepts and community, regional and international outreach	A)Use of communications to cooperate in the dissemination and interaction with peers, experts and other users.
				2) Collaborative projects with peers, experts and users will implement advanced communication tools for blood curriculum concepts	
				1) Use types of media and patterns of design (offers - sites - newsletters).	B) The use of media and various modes to deliver information and interactive ideas to multiple users.
				2) Uses a variety of media and styles for development. The fifth axis of technological research tools	
				The fifth axis of technological research tools	
				1) Know how to identify and select sources of technology (expert systems - global models - smart agent - simulation).	A)Use of technology to identify and evaluate information from different sources.
				2) Know how to use advanced technological resources suitable for selected curriculum subjects.	
				1) Describe hypotheses or research questions on curriculum subjects.	B. Use of technological tools to process data and report results.
				1) Select appropriate information, technological communication tools and sources for information gathering	C· evaluate and choose new and never-used technology information based on specific tasks
				2) Use appropriate information, technological tools, communications and sources for information gathering	
				3) Send results to multiple users	

Validation degree				Sixth axis: solving technological problems and decision-making tools	
	modified	Not valid	valid		
				1) Describe two or more overlapping information.	A-Use technological resources to solve problems and make good decisions.
				2) Describe two or more technological communication tools and sources	
				3) Provide valid results or information for the decision	
				4) Information and communication technology booths for real-world resource analysis.	B-Use technological resources to solve problems and make good decisions.
				5) Procedures for monitoring information through timetables shall be implemented.	
				6) Progress towards solving the problem of the real world.	

Appendix (2)

Survey Sample What are the most prominent obstacles, difficulties and negatives encountered in teaching the computer for the first grade average? -----

What pros do you notice? -----

How satisfied are students with the evaluation of computer material according to the computer culture and the extent of their interaction and interests and what difficulties they faced? -----

Any comments you would like to add?

ملحق رقم (3)

Expert names

Affiliation	Specialization	Scientific qualification	name	No.
Wasit university- education faculty	Psychology	Professor	JaffaerAbdKkadhumAlmayah	1-
Baghdad university- faculty of education- Ibn alhaitham	Measurements and evaluation	Professor	Ehsan Olaiwi Nasser	2-
Baghdad university- faculty of education- Ibn alhaitham	Physics teaching methods	Professor	MajedIbrahimAlbawi	3-
Baghdad university- faculty of education- Ibn alhaitham	Educational Psychology	Professor	Ismael Ibrahim Ali	4-
Baghdad university- faculty of education- Ibn alhaitham	Mathematics methods	Assistant Professor	Bassem Mohamed Jasem	5-
Baghdad university- faculty of education- Ibn Rushud	Educational philosophy	Assistant Professor	DawoodAbdulsalamSabri	6-
Baghdad university- faculty of education- Ibn Rushud	Educational philosophy	Assistant Professor	Sadoon Salman Najem	7-
Baghdad university- faculty of education- Ibn Rushud	Methods of teaching	Assistant Professor	Shadha Adel Farhan	8-

