

# THE EFFECT OF QUR'ANIC VERSES STRATEGY ON ACHIEVING SCIENCE AND SYSTEMIC INTELLIGENCE FOR SECOND GRADE STUDENTS.

Answer Abbas Mohammed

[Anwar.abaas@yahoo.com](mailto:Anwar.abaas@yahoo.com)

Department of Chemistry, Baghdad University/College of Education for Pure Sciences (Ibn al-Haytham), Iraq.

**ABSTRACT:** *The objective of the research is to uncover the effect of the strategy of Quranic verses in the collection of science and systemic intelligence for second-grade students. The research sample consisted of (48) students of second grade students in the middle of Al Rasheed Boys School of the second Karkh Directorate, Distribution in the two divisions, Division of (b) and experimental group that studied strategy of Quranic verses, and the Division (a) control group which studied the regular way, and results indicated a statistically significant differences for the experimental group students studied using the strategy Verses in systemic intelligence collection.*

**Keywords:** Quranic verses, systemic intelligence collection.

## 1. RESEARCH PROBLEM

Life is complicated and difficult areas are overlapped as refuting more relative became realities cannot fit in with the times and micro-explosive knowledge, this complexity of all areas of life in General and increased responsibility for the educational institution primarily in the face In line with this complex simulations and quizzes and explained to the vernacular of the people, but the most difficult challenge is how to change our thinking and our teaching methods and simple strategies to address this escalating complexity As a weapon against this persistent and growing danger. Therefore any educational system in this era, helping learners to understand this overlap and the complexity of their environment with different features, analysis of these phenomena, as well as helping them to understand and grasp the relationships among components so that the goal of the education system give learners capabilities of intelligence And systemic levels. 'For President attention to theory (cognitive burden) is the need to adapt education to suit the controls and limits of cognitive system to the learner. Because there are those who believe that a normal personal home consists of the mosque and community and cannot consist in the educational institution or in the workplace. And there does not agree with this opinion at this point, because most bad acts committed not only scoundrels but also polite people in moments of weakness and despair or their inability to distinguish what is true among the conflicting set of circumstances surrounding them. So it falls to the educational institution student responsibility sense stimulation, and then helping them to deal positively with conflict and ambiguity, and should receive the best education as long as they're alive and thus to form proper character continuity [1]. This is done by inserting verses teaching processes so that a deeper understanding of the scientific issues involved, as well as link to Quranic verses which in turn provide the significance and interpretation of scientific subjects and therefore what vocabulary learners learning enlightens [2], because the words of Allah Almighty who is wisdom and favor metal every virtue[3], from the above problem can be identified by the following question: • strategic affect verses science collection for second graders average and their intelligence systems?

## 2. THE IMPORTANCE OF RESEARCH:

-Allah Almighty created this vast universe and delightful and the great Allah will wish to be stable ground for human God the gift of work and reflection and perception he says in his Holy Book (and mocked you in heaven and on Earth all of it in Lightroom to repose) and thinking cognition requirement God human's generosity in says (why taking

Qur'an or the hearts of closure) the heart that that light the Quran and not driven by its breezes, heart mangle air And flooded by darkness until he returned as a deserted place. Because the Qur'an is the book of Allah the Almighty, the great miracle, which confirmed what we accept and what news after us and govern our guidance to people and statement of the guidance and the criterion, a wave of mind as very conscious of the fact, but the fact that the Supreme truth value represents mind, knowledge does not come only through And whenever he wanted to know beyond the perceptual-cognitive limits must be conscious mental proportion and required its grasp. Man speculates with an open mind, away from intolerance, consider searching for the truth through its sensory or consideration or thought of around the vision of tradition and the phenomena can readily understand what discloses the greatness of the creator, and this is a scientific approach to realizing the truth of things and learn what it is to bring in Worldly life and recognizes the ability of the creator and his greatness. [4][5] and mental intelligence is no longer seen as the sole factor that controls the success of an individual's life, as he had supported before, but due to the success of many other factors in various aspects of human life, often achieved with average intelligence success In their lives, while others with high intelligence in their lives fail despite their scientific titles [6]and that systemic intelligence enables individuals to be aware of the system without neglecting its constituent parts, and to understand the relationships of influence and influence between these parts, And identify the impact we have on others-. It shows the importance of systemic intelligence in overcoming spatial blindness. The text of religious leadership conference for women [7]we suffer from blindness, which is illustrated by the following points:

1. We see parts of the system, and I don't see the system as a whole.
2. We see what happens with us, and we don't see what happens elsewhere.
3. We see parts, and don't see how it affects the parts into each other.
4. We see how it affects our world, and I don't see how it affects others [8]

Any systemic intelligence importance lays in the fact that key human behavior, life orientation, adaptation, and that top level of multiple intelligences (Gardner). As systemic intelligence seeks to improve life in General (the life of the individual and the community), as it seeks to improve behaviors within different organizations, and through dealing with everything from systemic point of view. Systemic intelligence can be seen as a set of abilities

enabling an individual to deal with systemic complex environments and enables individuals to analyze the changing mental models [9].

### 3. IMPORTANCE OF RESEARCH

Importance of research can be summarized as follows:

1. The need to reconsider the traditional teaching methods and adapt teaching methods and strategies that give better results and strategy Quranic verses.
2. This search test earlier in science (Chemistry) chapters
3. Interest in science and scientific level to improve academic achievement and systemic intelligence for students through the strategy of Quranic verses.
4. Systemic intelligence skills development through piloting strategies Traditional strategies such as Quranic verses.

### 4. AIMS OF RESEARCH

Research aims to find out:

1. Strategic impact verses in the collection of science for the second grade average.
2. Impact of systemic intelligence strategy verses for second graders average. To achieve these empty premises nearby researcher mode:

### 5. RESEARCH ASSUMPTIONS:

1. There is no statistically significant difference at the level indication (05 -0) between the average scores of students studying on Quranic verses and strategy with average grades of students studying according to the normal way in the test Science achievement.
2. There is no statistically significant difference at the level indication (05 -0) between the average scores of students studying on Quranic verses and strategy with average grades of students studying according to the usual method in measurement of systemic intelligence

### 6. LIMIT OF RESEARCH

Current research is determined as follows:

1. Grade average good medium/Baghdad/Karkh husbandry Directorate 2.
2. The course semester of school year (2017/2018).
3. Chapter 1(chemical bonding elements) and chapter 2 (ionic compounds Covalent bonds). Second grade science book medium. 1st floor (2017), Ministry of education/the Republic of Iraq.

### 7. RESEARCH TERMS

**First term: Strategy: known** to both:

1. Some [10], defined as, the art of designing plans and methods used to achieve the goal.
2. Authors in [11], defined as, ' an internal process in learning and learner management function information storage and use, and organize problem solving '.
3. Others [12], defined as, plans geared to perform tasks in a successful way to reduce the level of dispersion between knowledge of learners and the learning objectives.

**Conceptual definition:** ' is the process of putting more possible dimensions of scientific material to illustrate very well and thus maximize the learning goals.

**Procedural definition:** ' is the process of implementing the second-grade science lessons on average according to the verses of the experimental group strategy and desired learning goals for students of the research sample.

**Second term: Achievement:** and known to both:

1. In [13] authors defined as ' qualitative and quantitative score gained during a particular educational effort '.
2. Others [14], defined as ' the degree of acquisition by the individual or level of success made him up or in a seminar or educational area '.

3. In [15], authors defined as the amount of the student information, knowledge expressed in degrees per test prepared in specific levels can be measured.

**Conceptual definition:** ' is how much information, skills and passions acquired in a scientific article and a specific ability of sports degree Procedural definition as, a group of information and knowledge gained by second graders about science, measured by the degree to which they receive in the achievement test prepared by the researcher for this search '.

**Third term: strategy verses** defined elsewhere others [16] as, adoption of the glorious verses which features miracle logic and scientific correlation and deep enrichment and delightful photography, wisdom and resilience exhortation to impress the recipient and merged with the movement concepts Before '.

**Theoretical definition:** Is a set of steps derived from scientific and Quranic verses related to achieving a free and highly effective learning '.

**The procedural definition:** Is a group of interrelated scientific steps derived from verses to explain in depth the concepts of Science (Chemistry) second graders ' average.

### 8. STRATEGY VERSES

Islamic philosophy: Islamic philosophy from two sources of Quran and Sunnah cleared two factors to determine the perception of the nature of the universe and man. This philosophy believes that Allah Almighty is the source of this world and its creator and March and that the world was not created in vain, but for the end. And that the human creative force that transcends in its March from case to case and is composed of the same and the body of a unit of human personality. It offers many verses Quran can deduce where the educational philosophy of belief in Allah is the Foundation believes that education (starting from configured in their mother's womb until his life) and include the colors of intentional and unintentional education and self-educated and institutionally it all life educates and not science unit Is human jam and raised in school alone. Islamic philosophy believes that teaching (following various modalities such as conservation and indoctrination and discussion many questions between teacher and student). [17] The Qur'an and Science: bone Allah almighty glorify our flag, it's enough that he Almighty adjective before Islam, an era of ignorance, and he mentioned Allah In the glorious writing many verses that are included as much science and knowledge and high-status. Almighty said:

(Human science unless knows) [18]

• (lifts Allah those who believe and who have been given knowledge practice) [19]

• (are those who know and those who don't know) [20].

called the Koran to science and science and learning and studying to be a mirror of knowledge and a way to know the truth and In particular see Allah Almighty and made man eligible for learning and make reading and earnings and key way to promote knowledge of civilization was the first to descend from the book of Allah Almighty (read in the name of your Lord who created man from a clot \* creating \* read and clotted \* aware \* human flag pen unless knows) [21] and material science, especially chemistry, structure, properties, and behavior of the composition, dynamics and their interaction changes that occur, sometimes called the Central Science because it links physics with natural sciences such as astronomy, geology, biology, and chemistry is the branch of science But it does branch out from physics. Chemistry studying elementary particles and

atoms and molecules and interactions and transitions between Different chemicals, chemical reaction turning articles into other articles or more and use symbols to express by chemical equations. Allah almighty supported prophets and Apostles in miracles to be a witness and proof of what came from the evidence and the guidance, miracles that preceded our Prophet Mohamed (peace and blessings of Allah) sensory miracles depend on breach of people used it, GOI, at the time, and then came the miracle of Prophet miracle Rhetorical ideological mindset, coincided with the development of mankind which were in a State of readiness to receive speech mind combined freedom of thought, mental miracle Quran came to all people, to the times, based mainly on the human mind, which is his property as CVS doesn't disappear and immutable and unchanging in temporal And spatial. This difference between the former prophets Faisal miracles and the miracle of Prophet Mohamed (peace and blessings of Allah), the miracle of sensual is strong evidence and lightning who saw her and in her time, but she remains vulnerable to deep skepticism from played generation after generation, Muslim believers faith miracles of prophets ex was the result Quran and Sunnah news Her only. Either it was appropriate for Quran paragraphs last stage reached by humanity, mind and intellect which is the foundation upon which all other aspects of life [22] it should be noted that the book of Allah Almighty has been used Quranic language synonymous to denote the meaning of the term (miracle), named after the verses of the prophets, the word miracle did not appear in the book and the Sunnah, (verse and evidence and proof and Sultan) as follows:

verse: a super tag Article is more general than a miracle because of its challenge miracle condition, other than the verse, you may never be challenged, but a landmark by the Prophet, and that while faith not unite without any sign of Pagans verses when Allah and what will make you feel as if not believing) and the verse: (What prevent us to send the first verses of Scripture, however, lie [23] photoreceptor proofs and send only intimidation verses)

**Evidence:** a clear indication whether sensory mentality, came in says (they said Oh hodma jitna evidence and what we are telling our leavers what you believers) and verse (pain without news of those before people of Nuh (Noah), and Thamud, who after them do not teach them only if Allah messengers pulp Yen said in their mouths with their hands and replied I and what you sent and I'm in doubt which you invite us to fishy)

**Proof:** the argument and evidence and confirmation requires honesty, it says in verse (take your hand in your pocket and it will come forth white without press the demonstrations then followed you centuries of suite from your Lord to Pharaoh and his chiefs that they were 'sinners') (stories/32). Sultan: came in says (their messengers said AVI Allah doubt creator of heavens and Earth invites you to forgive you of your sins and respite you indefinite said that you are only human just like us want to help us what our fathers worshipped passed us by a manifest) (Ibrahim/10) [23], the only Allah miracle in Islam is the Quran, scholars have become reconciled with that Heavenly book prodigious Prodigious human cannot no matter how great his energies on producing like him, and that the miracle multiple faces. And multiple facets of the miracle in Allah's book to multiple aspects of consideration, each character of the characters, and every word of his words, each verse of

which signs and miracles, and each set of verses, and each Sura of the wall attest to book Allah almighty that prodigious including orders devotional or moral values, or moral or behavioral controls, or a Historical happenings, or scientific references to some things and its vast universe of phenomena and prophet wells and objects, it is miraculous in every order of affairs [5].

## 9. STRATEGIC STEPS VERSES IN TEACHING SCIENCE

- 1 Choose choice: teacher picks verses congruent with the topic then the teacher to interpret Quranic verses to students.
- 2 Recite the verse Recitation of verse: the teacher read out Koranic verses carefully and thoroughly and properly and may use electronic calculator or sound recorder or write a verse on the Board and ask the students to read them and clarify some words.
- 3 Focusing focus: the teacher-student attention to careful attention to the words that came out the verse and devoutness basics and exciting events and task to prepare and move on to the next steps.
- 4 Exploration explanation: the teacher explains the meanings and implications and demands of students participate in clarifying the meaning and interpretation of the verse. Here students are asked to try to recover what they know already about the topics and verse that had been put forward, and then attaching meanings and implications and drafting statement that came out for easier to understand and clarify some of its purposes here requires guidance teacher cognition and discussion and comment and coordination between elements to understand Subject and realizing his secrets.
- 5 Analysis: Understanding the relationships between elements of verse and topic to be taught through the components and features and ideas through comparison and here directs the master ordered retail skills and fastening and Assembly diagnosis and discrimination and segregation to serve and bring all knowledge of relations through some Raise some questions and try to answer them. To determine the intellectual content presented in the Quranic text.
- 6 classification Classifying:: work on collecting similar data and different data in shared classes and try to identify the familiar positions, congruent and inconsistent here requires a range of skills such as organization and mental order configuration of measurement conclusion processes and thus exercise Creativity through taxonomic system planned and gathered in the minds of students.
- 7 heuristics Inferring: draw conclusions from common to find relationships between evidentiary Quranic verse and lesson's subject concepts and usefulness of linking life regards ocean environmental relations of the subject in the lesson. So the real results as logic submissions in Quranic verses as Proximity or remoteness of the vocabulary of the topics raised by the lesson.
- 8 Predicting forecast: here are required of students learning the skill diagnosis and prediction and predictability in linking future events that may occur or not but it brings students to the holistic perception of public-mindedness and to what is happening and what is going on around him in his environment and other data to be A shareholder according to the topic of scientific ideas and facts by raising teacher questions and inquiring and arouse their thinking to the student when understood phenomenon and

its laws, other related results finds understanding from near or far increase susceptibility to forecasting new wheelchair keeps getting Increasing the similarity existing phenomena.

9. generating ideas Generation: where the students assemble the joint to class for certain prayers to generate new prescriptions and raised verse through deep understanding and infrastructure to the principles, laws, theories and practices on him through the previous steps Supposed he got high skills in screening elements to create a coherent and relations that generate new ideas about what to ask Classroom topics and innovative methods, and also require of students the skills and abilities include tweaking and modification and other uses and adaptation as a creative skill to know what future cognitive curiosity, perseverance, imagination and unexpected things thinking and use of knowledge New methods and flexibility in thinking [12].

## 10. SYSTEMIC INTELLIGENCE

((Anyone can live an acceptable success without verbal or emotional intelligence but without systemic intelligence will lose any human cognitive load theory origination)):

**cognitive load theory** [15] it began to evolve in the late 1970s with a focus on student learning to solve problems so that problem solving imposes demanding exceptional on working memory, this theory of urbanization A education different types of education prevailing in traditional Dalek. The idea of this theory is not totally new in (1979) introduced the term mental Load Mental burden Murray, and he knew that the differences between the demands of the job and the individual's capacity to enable those demands.

And I passed the relationship between mental burden (workload) in many areas such as human interaction with machines, and ease of use, user experience, and notes the difficulty of the task to the mental burden does occur during the task performance and practical goal is to build a measure of the difficulty of the task in different areas, The effect of cognitive load theory developed by [8] first-order cognitive burden subjective scale to assess how difficult vocabulary in cognitive tests. [6]

## 11. SYSTEMIC THINKING AND SYSTEMIC INTELLIGENCE VARIATION

1. Systemic thinking he can't control the negative impacts that may arise from the system.

2. Systemic intelligence for successful sourcing module within change prompt They resemble one another in the desire to bring about change.

Authors in [2] and [3], both of them see that systemic intelligence is the highest level of systemic thinking, and can provide us with a new vision of organizational learning movement, systemic Intelligence Portal is the systemic nature of the world around us but stressed the system concept As part of our lives as also part of our experience and headed toward life., Some [1], as following systemic intelligence systemic thinking in the belief that causal and logical are the right framework for holistic approach to College, although systemic intelligence following systemic thinking But it goes beyond that allows individuals to deal with the system even when they don't have any substantive knowledge around him, as he embraced leading change in a positive manner and moral [7].

## 12. ESTABLISHMENT OF SYSTEMIC INTELLIGENCE

For the past few years, many types of theories were propounded that man owns many such intelligences linguistic intelligence, musical intelligence, emotional intelligence etc. and not intelligent one, far from the crucible of multiple intelligences of Gardner's systemic intelligence appeared driven as an important topic that although the old palace does not exceed a few years it attracted the attention of many researchers in several regions in the world. By virtue of authors in [11], the concept of systemic intelligence inferred from previous concepts of intelligence when someone [5] introduced the term 'systemic intelligence' was released and since then it has been applied to avoid conflicts in environmental management in General, and also in the classroom, In leadership and management training, systemic intelligence has become over the last few years a part of organizational life movement in Finland. In [8] and tagged in systemic intelligence is certainly positive in that it highlighted we can do more than is right, sees [6].

1. Starting point at systemic intelligence is five systems when you sing.
2. Systemic intelligence originated as Union between systemic thinking and personal mastery.
3. The actual appearance of the term systemic intelligence year (2002) in Finland and since then became a part of organizational life in Finland. [6].

## 13. PREVIOUS STUDIES

### First: strategic studies:

#### The study by authors in [11]:

The purpose of this study is to know the conceptual modeling strategy of Quranic verses on Science processes in modern atomic theory teaching method Chemistry for the first-grade average. The study was carried out in Saudi Arabia, and research sample consisted of (49), student in high school in the city of Mecca, the study found that there were statistically significant differences at the level of (05 -0) between the experimental group students test scores Mediterranean, average grades of students group Officer and the pilot group.

#### 2. The study by authors in [4]:

This study aimed to build a tutorial/learn to employ scientific miracles in Qur'an verses and its impact on the collection of chemistry and development of reflective thinking when students of the Chemistry Department, for the first phase of the Faculty of education, University of Qadisiya. The research sample consisted of (74) students (37) students to the experimental group and (37) students for the control group. The results showed the superiority of the experimental group that studied the control group; the results indicated the empty premises refused.

### Second systemic intelligence studies:

#### 1. Study by others [14]:

The purpose of this study is to detect signs of honesty and internal consistency of systemic intelligence testing Irothman students in special education or university towns. As well as identify differences in systemic intelligence capabilities and total special education students. The sample consisted of (434) demanded, and the results of the study showed:

- A. Systemic intelligence test prepared. Enjoy Rothman (2010) transactions and steady transactions and internal consistency coefficients measuring systemic intelligence high.

- B. There are differences in the ability to reflect systemic cognition ability and the systemic total systemic intelligence between the samples according to age.
- C. There are differences in the ability to grasp the total systemic total systemic intelligence between samples depending on the stage.
- D. There are differences in the total systemic intelligence between high percentage depending on the study sample and the degree of capacity and cumulative.

**2. Study by others [8]:**

The purpose of this study is to identify the nature of the relationship between research variables: congenital pedagogic workers have the maturity and its relation to systemic intelligence and self-consistency and extent variables (systemic intelligence, self-consistency) in contrast. Aggregate variable (congenital maturity). The

research sample consisted (180) Guide educationally raise Baghdad (Karkh Resafe), and moral maturity scale has been applied, and self-consistency) and test (systemic intelligence), using t-test and Pearson correlation, multiple regression analysis, the results showed:

- A. Positive correlation exists. A statistical function between 0 congenital maturities) and (systemic intelligence and self-consistency).
- B. Contributes (systemic intelligence) and self-consistency) b (87% ) of the total differences in ethics growth.

**14. RESEARCH PROCEDURES**

First Experimental Design The researcher adopted an experimental design with partial control of two groups, one control and the other experimental, as shown in the following table (1).

**Table 1: the experimental design**

Depended variable	Independent variable	equivalent	group
. Eligibility Test	. Strategy of Quranic Verses..	1. The chronological age. 2. Previous collection of sciences.	experimental
Systemic intelligence scale	. The usual method	3. Tribal system intelligence.	control

**15. RESEARCH COMMUNITY AND SAMPLE**

The research community was identified by second-grade students in the middle school for boys, affiliated to the Department of Education Baghdad/Karkh II, for the academic year (2017/2018). This school was chosen intentionally to implement the experiment, for the following reasons:

- 1. Make the school fully prepared to cooperate with the researcher.
- 2. contains five divisions of second-grade average random selection is facilitated.

- 3. near the School Finder. So you choose the two divisions (a and b) at random out of five divisions, and Division (b) experimental group, control group (a) Division, the number of students in both divisions (58) students, and students were excluded statistically, repeaters to keep them in class to not be deprived of the benefit, and (3) I For August in the experimental group, and (7) students in the control group, bringing the number of members of a sample search (48) students, of them (25) students for the experimental group, and 23 students for the control group, as shown in table 1:

**Table 1: Distribution of students in my collection. Search**

Remain, students,	Excluded number of students	No. of students	group	class	No.
23	7	30	control	A	1
25	3	28	experimental	B	2
48	11	58	total		

**16. EQUAL SETS OF SAMPLE SEARCH**

researcher certainly adjust variables in the impact variables, and these variables do not affect the credibility of search results, so the researcher performs equally before the introduction of the search group experience (using statistical package SPSS) The following variables:

- 1. Chronological age: mean age of students calculated in months, the researcher has obtained data reconstruction of students from school cards, as calculated from the date of birth up to (1/2/2018) start date of the experiment. He found that the arithmetic for the reconstruction of the experimental group (24 - 167) and standard deviation (136 -48) and arithmetic mean of control group ages (65 - 165) and standard deviation (335 -40). With the adoption of the t-test (T-test) two independent unequal, the results showed that the t-value is calculated for the level indication (843 -0) and is the largest of the level indication (5 -0) and degrees of freedom (26), be a lack of statistically significant difference between the two groups

in this variable, This shows equal sets on chronological age, as shown in table 2.

Table (2) research group (equal in a chronological age in months

- 2. the previous achievement in science: intended search sample students degrees in science for grade average in the first semester of the school year (2017 – 2018), the researcher has obtained it from grade school management records. He found that the arithmetic mean of experimental group collection (36 - 73) and standard deviation (82 -175), arithmetic mean of control group students collection (78 -72) and standard deviation (44 - 145). And t-test results (T-test) two separate but equal, the results showed that there is no difference is statistically significant at the level indication (5 -0) and degree of freedom (46). So accept the zero hypothesis rejects the premise, table 3 shows that.

**Table (3) (equal former collection search groups in science)**

Significant at level 0.05	tabular T value	Calculated T value	FD	SD	mean	No,	group
Not significant	2,02	0,16	46	175,82	73,36	25	Experimental
				145,44	72,78	23	control
Significant at level 0.05	tabular T value	Calculated T value	FD	SD	mean	No,	group
Not significant	2,02	0,45	26	132,480	70,6	25	Experimental
				127,464	69,13	23	control

3. Measure systemic intelligence: build into scale (Rothman, 2010) systemic intelligence, which rationed him to Arabic environment (July 19, 2014), and then display the Finder on a group of experts and arbitrators to ensure clarity and stability, as well as the Iraqi environment, codified researcher finalize application, Search collection, after the correct answers. He found that the arithmetic means of the experimental group (6 - 70) and standard deviation (480 ' 132), arithmetic mean of the control group (13 -69)

and standard deviation (464-127). With the adoption of the results of the t-test (T-test) two independent unequal, the results showed that the calculated level of significance (45 ' 0) when the level indication (5 -0) and degree of freedom (26). Demonstrating the lack of statistically significant difference between the two groups on the systemic intelligence scale, as shown in the table (4) so that the zero hypothesis and accept the alternative hypothesis is rejected.

**Table (4) (equal measure systemic intelligence research group)**

Significant at level 0.05	tabular T value	Calculated T value	FD	SD	mean	No,	group
Not significant	2,02	0,843	26	48,136	167,24	25	Experimental
				40,335	165,65	23	Control

## 17. EQUAL GROUPS

Although the randomization would achieve parity for two sets, to check some variables from chronological age, previous achievement in science (first-semester grade average), and measuring systemic intelligence (pretest) and then calculate the standard deviation Wekimk (t) and the level of statistical significance, these variables are equal in samples.

## 18. RESEARCH TOOLS

Aim of this study as mentioned earlier is the impact of verses in each strategy of academic achievement for science and development of intelligence systems, this requires an academic achievement test is applied after the completion of the experiment, and a scale to measure systemic intelligence is Applied before and after the completion of the experiment, to see whether there are a statistically significant differences in these variables, between the experimental group and the control group.

## 19. THE ACHIEVEMENT TEST

The first objective of this study is to investigate the impact of the strategy of Quranic verses on second graders average in science, and this, in turn, requires a test science. Researcher opted to choose from Multitest building because of the best types of substantive tests. So the researcher selects scientific material and derivation of behavioral objectives, prepare a test map for topics that have been taught, and fixed weights given the number of topics for a quota for teaching each topic and then extract medium and convert it to a percentage. The cognitive levels of weights either Bloom's taxonomy was a researcher identified the number of behavioral items in each level depending on the total number. Test paragraphs have been identified (10) paragraphs, have circulated on the topics and levels of behavioral purposes on an approved test map

## 20. VALIDITY OF THE TEST PARAGRAPHS

after making the test of paragraphs (10) paragraphs before the Group of experts, numbered (12) experts, and asked them to give their opinions on knowing the validity of paragraphs in the article content measurement through behavioral objectives, in the light of their simple adjustments researcher to formulate some For paragraphs and have got all the paragraphs on the percentage of agreement (93) and more promised all paragraphs is valid to measure academic achievement for students grade average in science (Chemistry).

## 21. TEST INSTRUCTIONS

after confirmation of probationary scholar wrote paragraphs instructions for answering the test paragraphs by clarifying the number of paragraphs, number of alternatives which answer consists of four alternatives one right and the others wrong, and asked them to read the test paragraphs carefully and thoroughly and circle the letter The correct paragraph and leave any paragraph unanswered.

**A Application of exploratory testing:** the researcher has applied the test on an exploratory sample consisted of (60) medium grade students at Nibras boys Karkh husbandry Directorate II, coincident with Sunday (7 1 2018), and apply the same sample test on Sunday, encountered (7 1 2018), and apply the same sample test on Sunday encountered (21 1 2018), for the purpose of knowing how clear paragraphs, instructions and test to determine the time it takes to answer the test paragraphs and, where applicable, the researcher found that the test instructions and clear paragraphs, has s Plunging application (30) minutes. By calculating the average time of the first three students completed the test with another rate three students completed the test.

**B. Sincerity test:** honestly intended test ' it measures test, what I assume the value ', and honesty is one of the conditions required for each test and is one of the important characteristics in the construction of test, in order to verify

the sincerity test use Finder honesty and sincerity of virtual content. To verify the truthfulness of the test, the test paragraphs show researcher group of specialists in methods of teaching science, has got the paragraphs on the percentage of agreement (83) and more when you know the validity of paragraphs and returned all valid to measure student achievement. As for content, the researcher has been ratified in the light of the actions undertaken in preparing the test map, showing the paragraphs and behavioral purposes

And content of scientific material on a sample of experts.

**C. Reliability test:** test stability means that the test gives the same results if applied to individuals in the same circumstances'. Factor has been calculated test using an equation (Kuder-Richardson-20) and the reliability coefficient (85 -0) and this formula measures the degree of internal consistency between test paragraphs. Then put the patch instructions researcher, the researcher then statistical analysis of test, then play the following:-

- a. calculate the degree of difficulty of paragraphs: paragraph difficulty level is the percentage of correct answers on the test paragraphs, it lies between (44 -0) and (77 -0) and longer Good tests if the paragraphs in the level of difficulty (20 -0) and (80).
- b. creating power of discrimination: discrimination power means the ability to distinguish between students with high and low levels of capacity in which they measure it, when you calculate the discriminatory power each paragraph of the test, he found that she was between (82 - 0) and (73 -0), so that good paragraph if the discriminatory capacity (20 -0).
- c. test stability: stability of characteristics Task characteristics must test, which if applied twice or thrice ought to get everyone in the group to the same degree in almost all applications, which should give the same results if test applied to the same individuals in the same circumstances and use int equalization (Kuder-Ri Chardson – 20) to calculate the coefficient of reliability coefficient was fortitude (85 ' 0), check the measuring internal consistency between test paragraphs.

**22. SYSTEMIC INTELLIGENCE SCALE**

Use systemic intelligence scale in this study prepared by (Rothman, 2010) and amended (July 19, 2014) for Arabic environment. This measure consists of (30) distributed four components (s):-deal effectively, and paragraphs (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12) systemic and paragraphs, meditation (13, 14, 15, 16, 17, 18), cognition Total systemic, and paragraphs (19, 20, 21, 22, 23) and systemic perspective, paragraphs (24, 25, 26, 27, 28, 29, 30)

**A. Sincerity-scale**

display scale on a group of faculty members who specialize in teaching methods and assessment, to identify clearly and

accuracy of paragraphs: scientifically, and the accuracy of the language test, and appropriate paragraphs and alternatives for a level students, and asked them to delete or modify or Rephrase paragraphs or alternatives that need to modify/in the light of the observations of the arbitrators on the drafting of paragraphs and answer alternatives, proposed amendments, so rephrase (5) paragraphs of the scale, do not delete any paragraph. Researcher application standard in the final image on an exploratory sample consisted of (60) students from outside of the study sample, and was applied in two weeks on the same sample, by the correlation coefficient was (80 ' 0), as by Cranach coefficient Alpha for internal consistency and reached (78 ' 0).

**B. Steadily scale:**

-the consistency of important characteristics must scale, applying any test twice or thrice ought to get everyone in the group to the same degree in almost all applications, any test that gives the same results as reapplied to the same individuals in the same circumstances. The researcher used an equation (Kuder-Richardson-20), to calculate the reliability coefficient was fortitude (85 - 0) and this check measurement of internal consistency between test paragraphs.

**C. Test method:**-in the second semester of the school year (2017–2018) researcher in agreement with the school administration in organizing the table of allocation of quotas for science, that is equal to the effect of the two groups in the time allotted for training, weekly quota rate for each Division (2) . The same researcher also taught science to experimental groups and control and facilitated this experiment, the researcher began teaching (18 | 2 | 2018) and both groups, the researcher has to follow the steps in the experimental group verses strategy when teaching topics Scientific.

**23.RESULTS (ANALYSIS AND INTERPRETATION)**

For verification of objective research by testing the empty premises and health as follows:

1. first hypothesis: 'there is no statistically significant difference at the level indication (5 -0) between the average scores of students studying on Quranic verses and strategy approved average drawer OT students studying according to the normal way in the achievement test in science. And by taking out the arithmetic mean of the experimental group (680 -41) and standard deviation (614 ' 10)/as for the officer bringing arithmetic (217 - 34), standard deviation (472 - 31), and the adoption of the results of the t-test (T-test), two separate but equal at Indications (5 -0) and degree of freedom (46), the level of significance (817 -5), and is the smallest level of significance, and it rejects the zero hypothesis and accept the alternative hypothesis. Table 5 illustrates this.

**Table (5) t-test results to see a significant difference between experimental and control groups grades Mediterranean in the achievement test.**

Significant at level 0.05	tabular T value	Calculated T value	FD	SD	mean	No,	group
Significant	2,02	5,817	46	10,614	41,680	25	experimental
				31,472	34,217	23	control

T

his indicates that the difference statistically significant differences between the Mediterranean for experimental group that studied at Quranic verses, and strategy approved this hypothesis rejects the first zero, namely that ' there is a statistically significant difference at (5-0) between experimental groups and average officer in the collection 2. for the purpose of verifying the second zero hypothesis, which States that, 'there is no statistically significant difference at the level indication (5 -0) between the average scores of students studying on Quranic verses and strategy approved degree students studying according to the usual

method in measurement of systemic intelligence '. And extract the arithmetic mean of the experimental group (96 - 11) and standard deviation (798 -27), as for the control group, the arithmetic average (043 -5) and standard deviation (476 - 14). With the adoption of the results of the t-test (T-test) two independent unequal when the level indication (5 ' 0) and degree of freedom (46) at the level calculated semantics (210 -5), is smaller than the semantic level, thus rejecting the zero hypothesis and accept the alternative hypothesis, and table(6) illustrates this.

**Table (6) t-test results to tell the difference between experimental and control groups in the Mediterranean scale of systemic post**

Significant at level 0.05	tabular value	T	Calculated value	T	FD	SD	mean	No,	group
Significant	2,02		5,210		46	27,798	11,96	25	experimental
						14,476	5,043	23	control

This indicates that the difference statistically significant and the differences between the Mediterranean for experimental group that studied at Quranic verses and strategy approved this hypothesis rejects the second zero, yay:-' there is statistically significant difference at the level indication (5 ' 0) between the average grades of pilot groups and systemic intelligence officer '.

#### 24.DISCUSSION OF SEARCH RESULTS.

1. in regards to the first hypothesis: the search results showed that the strategy of the verses has a positive impact on the achievement test, the emergence of such statistical differences between experimental groups and control subjects, probably due to the use of Koranic verses as a teaching strategy contributed to:

A. developing the skills of systemic intelligence led to the development of academic achievement.

B. If students provide verses from the strong interdependence between school on the one hand, and society and the family and on the other, thus giving students greater attention and importance of education. W-urges verses to free thought and seeking truth in everything that surrounds individual phenomena.

C. more verses of faith and worship, which acquired through adherence to religion

2. Application in the remaining rows in regards to the second premise:

A. systemic intelligence scale, the results showed that teaching verses strategy has a positive effect in improving systemic intelligence, due to that teaching in accordance with Koranic verses strategy led to a feeling of students into To multiple systems, such as (lesson, school, family, community,. etc.).

B. development of thinking and look at all the systems that surround the student environment. -Students understand all elements of one system effect and are affected by the rest of the items.

C. Conclusion students that relations between parts of the system are more important than the characteristics of each part separately

#### 25 . CONCLUSIONS

Based on the results, the following conclusions were reached:

1. Teaching verses strategy contributed to raising the academic achievement of the experimental group compared to the control group of second graders average.
2. Teaching versus strategy contributed to raising systemic intelligence for students of the experimental group compared to the control group of second graders average.

#### 26. RECOMMENDATIONS

In light of the findings of the researcher recommends the following:

1. To adopt the strategy of Quranic verses in teaching second graders average for Science (Chemistry), because of its impact in increasing systemic intelligence and achievement.
2. Accreditation of Ministry of education science and chemistry for all grades, using verses to their impact in increasing faith and unite students for Allah (the Almighty).
3. Set up a training program for science teachers to train them on how to use the strategy of Quranic verses.
4. Adoption of the colleges of education strategy verses for training (students – teachers), as well as the development of systemic intelligence they have.

#### 27. SUGGESTIONS

In the light of the results of this study can propose the following studies:

1. Repeat this study for students.
2. Studies of the strategy for the development of other variables (such as reflective thinking, systemic thinking, science processes, etc.).
3. Employment strategy verses in teaching science to develop systemic intelligence in the rest of the secondary.

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