SCIENCE FICTION AND ITS RELATIONSHIP TO AESTHETIC CONCEPTS AND MODERN FIELD OF SCULPTURE

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Abstract

21st century is characterized by the dominance and control of science in various walks of life until it became a theme that marked the era of tremendous scientific volatile and consequently crystallized the concept art of science fiction in various branches of the art of literature and arts and cinema.

And it meant SCI search in remote times, whether it's in the distant past or distant future; from scientific constants or discoveries; and it gives us a vision of things never seen before era like human families or other planets or human being. Etc. It was for this type of fiction is of great importance in bringing up children in developed countries, where it is a powerful tool and a mission to bring inventions and discoveries; the pursuit of universal scientific thinking; they did not consider science fiction as works of art and entertainment only glamour and glitter, but they know to stimulate the imagination of the world and the Seer.

And here is a creative fantasy and science fiction, is a mental activity produces photos and new insights into, and so is the artist lived two lives: the fictional life and real life; and between these large that domains of excellence in real life natural selection processes are caused by natural brain responses in the fictional life don't be such activities is important or necessary and therefore consciousness may be focused on the cognitive and emotional aspects of the experience theme. Modern science has been able to add to the concept of sculpture new vision; no longer firmly fixed and sculpture; became animated and less stable and free from cabins offer; but running very large areas on the ground or very small; back snake eyes on or flying; and takes strange forms likeness such as God or the bird or the beam in space or with interactive scenes.

From here the researcher found during courses of various academic teams sculpture Faculty of education quality and the corresponding faculties that subjects of sculpture taught in classrooms often associated with nature and everyday life and heritage; and resorting to analyze works of art to artists and traditional teaching methods and student field visits include museums and zoos and was the former causes effect on student thought and monotony do not expand beyond volitional Visual themes and did not have Impact on the student to produce new thinking.

Researcher finds that these topics concerned with Visual and realistic side which impedes the student's imagination unleashed left down to an original thought; this makes their significance to implement its creative side enriching topics; So, that topic touched in their vision for the future far from reality and open a new door of many innovative ideas and creative.

Keywords: Science fiction, aesthetic concepts, modern field.

1. BACKGROUND OF THE RESEARCH

21st century is characterized by the dominance and control of science in various walks of life until it became a theme that marked the era of tremendous scientific volatile and consequently crystallized the concept art of science fiction in various branches of the art of literature and arts and cinema

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"The concept of imagination is conjuring up images of never understood by perceptual as making the child a picture of himself and he's driving a spaceship, and that means that the imagination is authored by mental images of many different phenomena simulates, but at the same time do not reflect a real phenomenon, and is associated with past experiences and fantasy stock cultures" (Bob Noman, 1988, p 77)

"Imagination is the will that help to express and present arrived last, and may make the people something new has not already familiar with it, and it was initially revolt but soon live with him" (Saber Akasha, 1990, p. 53)

Ben Ali Darwish says that "imagination is a mental activity practiced by the individual in the position of defining the concept of any problem confronts the fantasy doesn't check out of thin air or not, but the idea formulated last of any kind to be incorporated and coexist with new circumstances faced" (Ben Ali Darwish, 1983, p 27)

The science fiction like any kind of fiction draws its ideas either than around him or his stock, either looking into the distant past and pre-creature, and is called (retrospective fantasy), and either looking at reality, and the near future, and is called (disciplined imagination), and the third type of fiction which portrays us far future and fictional scenario in the coming centuries and is called (future fiction). (Sami Lundurll, 1978, p.35)

The first asset to the work of science fiction

"The origins of martial arts and science fiction to antiquity, there were attempts in ancient Egyptian art, the middle ages and in modern times, art always looks to the future, and take this direction in thinking and imaginative graphics artists have contributed to the evolution of a lot of science". (Mark manststro, 1984, p. 55)

And innovation in science, art or both are geared to search for new solutions, and to different contexts, and goals in one than in the other and technological history has proven that imagination if supported by scientific knowledge continues to sow new ideas and perceptions inherent creative. " (Christo botziv, 1984, p 24)

Search problem

From here the researcher found during courses of various academic teams sculpture Faculty of education quality and the corresponding faculties that subjects of sculpture taught in classrooms often associated with nature and everyday life and heritage; and resorting to analyze works of art to artists and traditional teaching methods and student field visits include museums and zoos and was the former causes effect on student thought and monotony do not expand beyond volitional Visual themes and did not have Impact on the student to produce new thinking.

Researcher finds that these topics concerned with Visual and realistic side which impedes the student's imagination unleashed left down to an original thought; this makes their significance to implement its creative side enriching topics; in SCI topics touched in their vision for the future far from reality and open a new door of many innovative ideas and creative

The problem with searching in the following questions

- How can I benefit from the study of science fiction at the plastic and aesthetic concepts change to field sculpture?

Research objectives

1- Go to think and see practitioner sculpture of what goes on around him of the events and the importance of

reflection on the fact.

- 2- Enrich the imagination of the practitioner to sculpture by investing the achievements of different Sciences.
- 3- Creating new entries to deal with modern technology and science in sculptured creativity.
- 4- Distinct element analysis of spaces available in the fields and their impact on the design for the statue.
- 5- Creating a new environment to receive the sculpture in fields and gardens.

Hypotheses of research

1- There is a relationship between eating SCI as sexy and holographic artwork.

2- The themes of science fiction more suited to the vagaries of imagination when the practitioner of traditional subjects.

3-Different levels of and trends in the areas of vision field statues.

Significance of research

-Enrich knowledge and practical experience in the field of sculpture that Darcy art.

-The importance of constructive cooperation between all involved in the creation and layout of fields on the one hand and the other hand artists to get into the best position Jamali to Statue Square.

-Prepare a generation of students of the art can handle various science achievements in light of science fiction.

Limits of research

-Limited study on stereoscopic 3D shapes.

-Applied research experience is limited to using clay material alaswanli polyester casting methods.

-Search is confined to providing training unit has many practical applications of the art of 3D surround composition for students of Art Education Department 4th Division, Faculty of specific education Alexandria University aimed at producing works of art based on science fiction and how to take advantage of it in the production of modern field mastermind to open new professional horizons and variety of art education students

Research methodology

In the theoretical framework follows into descriptive analytic.

Applied framework follows in experimental method through practical applications.

First Theoretical framework

1- Historical study of the emergence of SCI various creative works.

2- Study of the characteristics of a work of science fiction and its significance in the upbringing of new generations.

3- Examine the types of spaces around the bust area while preserving the aesthetic standards and fine him.

SCI: Is a fantasy which is scientific and technological developments in various fields, as well as research into the unknown and raised questions about anytime past or present or the future and the impact on man and show its responsiveness to him both in harmony with him or to contribute to the further development.

Researcher finds the foregoing overall definitions dealing with SCI can count as follows:

A- SCI-attention-to translate discoveries and inventions and technical developments that have emerged or emerging or potential close to appear in the distant future.

- **B** The translation of fiction effect and influenced these findings to humans, and responsiveness.
- **C** This fantasy questions facing the human weapon and everything is anonymous and sexy.
- **D** The fantasy has a role in training the minds, and praying to accept evolution and harmony with him.

2. TYPES OF SCIENCE FICTION

2.1. SCI Scholar Were Classified Into Three Types

1-SCI-retrospective

"Is that the imagination can conceive the distant past or what it was some semblance of life in the past, and builds its prescriptions and image on clear and phenomena is human to imagine the distant past, and geological ages and linked before man like geological fossils and skeletons of dinosaurs and imagine these animals aldaqeeq and rated.

2-Disciplined science fiction

Is it science fiction derived from contemporary science and practical applications, and vision and fantasy artist so science and diploma exams, and this kind of fiction uses science tools available, and contemporary scientific applications in the work of sophisticated contemporary art forms and is interested in experimentation, "some believe that experimentation leads to discover a new side of the subject, where the artist chose a number of various configurations, and dealing with the same elements and it shows through her aesthetic aspects And plastic solutions for it." (Mr smart guidance, 1979, p. 17)

3-Future science fiction

It is human to imagine the distant future, or cares about the universe or planets in the future and imagine life on these alien planets, or try to imagine life on Earth, or underneath with a lack of basic components that we live in now, and how they affect the various objects and important future fantasy that the future is more important than the past, and we aspire to in this life tomorrow more than our desire to return to yesterday ". (Mahmoud Kassem bashandy 1997, p. 11).

3. FORMAL FEATURES OF SCIENCE FICTION WORKS IN SCULPTURE

3.1. Relationship of the form to the rule

"Innovative solutions to find the relationship between the shape and the floor is one of the important characteristics, to show the innovative method of artistic output format is a significant Visual body of innovative product and to look here is a holographic artwork and the grounds here are the fulcrum held surround format, the nature of science fiction topics give us freedom in organizing elements of the artwork to suit made themes without reality and might marginalize the link between form and rule it is always accessible in the mass media Funky and fashionable away in terms of form and content. " (Mohamed Darwish Zinedine, 1980, pp 47).

3.2 Relationship of the form of emptiness

"The themes of science fiction made the relationship between form and space relationships, may not be to shape the value without the vacuum around or inside bringing space is an integral part of the artwork and not just its effect part, has come out of this box to become part of expressing form and shape may be holographic spatial entity in itself and without him not expressive dimension of the figure, and we find that there are many fine relations that can be Achieved in the void "(Colin Naylor, 1989, p.566.)

3.3 The philosophical content that helped the growth of science fiction

Artistic movements and revolutions on the old philosophical thinking backed up, and they reflected the artistic movements and forms of modern contemporary art and photographs, where these transactions resulted from freedom of thought and influenced artists in all new and different developments, leading to enrich the arts and not to its routine "and not enough philosophers and thinkers on the advancement of their societies, and many art history reminds us the artistic movements that have different theories" (Ezzat Jamal al-Din Mahmud, 1989, p 97) Main philosophical theories and intellectual acts SCI two theories:

3.4. Pragmatic philosophy in arts education

"Most of the philosophies that led to the growth of contemporary art and art science fiction, where the sprawl of pragmatic philosophy in the beginning of this century, and pragmatic philosophy used scientific method out of abstract thought to the world of work, or access to the truth and relies on the innovative capacity in man." (Yusuf Raven, 1980, p 249)

3.5. Formal theory

Formal theory is important in that it returns all artwork to aesthetically, they don't look to the position as far as looking at the formal language of work and the aesthetic relations between sculptured work items, sculptured helped sculptors to deal with abstract art topics more guts and objectively, and make the sculptor sees in science and his theories unless he sees in nature, it became possible to express relationships in science And his theories more interest in nature and visual perception.

3.6. Important themes of science fiction to teach sculpture:

We urgently need to take care of by science fiction, fantasy and creative aspects of development when the profile and if sculpture Arts areas and classify art three dimensional Arts it dimensions.

"And with the development of education to default or expectant management education and is capable of facing new situations, often unprecedented situations, and is a test for renewed education and expectation of the ability to deal with the future and see events before and koaha, and to assess the consequences in the medium to long term" (James webotkn and others, 1981, p 66)

So was the SCI must be a source of education and learning, so that within virtual learning interests or expectant management.

Researcher believes that we need to guide students ' imaginations in a way that would allow to be human creator in the future through the development of students ' scientific fiction by means of direct and indirect education, and need to take science fiction themes echo in the curriculum of art education, which helps to develop innovative and creative aspects have different educational stages, the sculpture is a broader area and more advantageous to concretise ideas of science fiction, even coming out to us in a tangible form and Felt, than to be an early idea for the future could add to the movement.

3.7. How to make use of SCI innovative personal configuration:

The innovative identity is the most important goals of developing and developed countries but is the first strategic objective and measured the capacity of these States to the extent of scientific and technological excellence by creative individuals, we can take advantage of SCI-innovative character and composition through a series of steps to be followed:

1- The conviction need idea. 2. appropriate environment.-avoid criticism 3. experimentation.

4. RESEARCHER FINDS THAT TO USE SCIENCE FICTION ROLE IN THE CLASSROOM

1- Accept new ideas and previous to its age, the growth of scientific analytical side and the side of scientific knowledge.

2- Take advantage of all the scientific areas of the student's imagination investment without traditional stimuli for arts subjects ' interest in advanced materials and unorthodox installation assistance work sculptured.

Outdoor sculpture techniques

"The statue outdoor field needs a comprehensive integrated study with field and location in physical space and personal content link field and its history, with planning for the Visual field of visual perception, elements of the site design part must be entered within elements of the artwork, study the site, based on an analysis of its elements and incorporate them into the design vocabulary, streets and squares are subject to specific planning and artist puts the statue under this plan or design. (Amina Rashad Saad Eddin, 2002, p. 25)

Visual elements (field-scale and visibility)

The artist must take into account system and the interdependence between work and the surrounding installations sculptured cover fit measures of vocabulary for vocabulary surrounding it and for the whole sculptured work scale of buildings surrounding it, too, so the impact of various plastic processors used by the artist to control the viewer's sense of measurement may be at different levels, sometimes it is required to confirm a specific type of measurement types, providing a sense of when the recipient, and a control Zoom in and zoom out certain elements in the configuration as it should fit the block size or the artwork with its significance and purpose in society. " (Amina Rashad Saad Eddin ,ibid, p 31)

Components of the work field sculptured

There are elements of sculptured work field must take into account when performing outdoor sculpture that

can be summarized in:

1. Figure 2-size 3-4-5-color raw topic 6-7 job secured.

Characteristics of outdoor sculpture

HH is one of the most important meaning and view properties of an outdoor sculpture in the view finder to highlight:

1- View concept

The word edifice associated with whatever is in height and is view or for glory in art in the qualities of the artist's work is deeper than small businesses and better able to influence people for generations. (Tharwat okasha, 1993, p 42)

Highness

Psychological impact of clear field visibility through stonework view qualities which means HRH before beauty, "meaning that monumental sculpting Jalali seeks first, then beauty alastatiki sense rather than beauty in its sensuous, sensory beauty moves away the artwork from feeling Jalal who is one of the conditions the sense balserhih and Tony's, comes a sense of Majesty as a result of strong employment and symbolic elements. (Jennie sharoni, 1994, p 61)

Some outdoor sculpture materials

During the twentieth century witnessed transformations and artistic revolutions and endless attempts have succeeded on all fine art including sculpture and performance methods included substantive content and materials used in the profile.

"And after that it was marble & granite and bronze and wood is punctuated by sculptures ores which nobility and Majesty and prestige of our contemporary example uses new technology and exotic materials vary with quality and plastic potential and logic went on start of cardboard and plastics and hard hitting and moving lights. (Abdul Momin Shamsuddin, 2001, pp 358)

Plastics industry

Industrial plastics are considered unorthodox and innovative materials that revolutionized the potential of surround composition, and had received this material much attention regarding its production methods and the diversity of functions, which helped to produce many kinds of varying characteristics and multiple purposes of use, and the most important in the process of carving the outdoor fields polyester material.

Polyester fabrics

"Polyester resins, plastic materials are liquid viscosity, and is thermally stable alkaline melts in polyunsaturated and Citrine and polyester require cofactors, which are added to the liquid resin which produces chemical heat mature Draper and resin from the liquid state to solid state. (Ahmed Saeed Demerdash, 1981, p 7)

Environmental impact and climate on polyester fabrics

Polyester material feature not affected by humidity and heat and salt, and because the polyester material used in sculpture man made material and vehicles from several articles in addition to external color layer to the surface they are affected by climatic factors depending on the type and proportions of additives to polyester.

General characteristics of plastics (polyester)

- Featuring plastics as lightweight, easy transport property gained, especially in large polyphonic forms work

- The creditor in general non-specific capabilities in terms of color and polyester is transparent in the first picture can simulate all shapes and forms, creating the sculptured shape fits in an attractive picture.

- Feature plastics transparent and performs light, but when mixed with other materials become Dim color not implemented

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II. Applied window

- Goals of the experiment

The experiment aims to try to reach a fictional vision through the use of avkaralmih and futuristic visions, and expressed in aesthetic down to innovative work.

-Platform experience

The experience is intellectually and another technical.

- A-premise:

The premise for the seeker on three axes raesih.

- Direction finder: fictional terms and researcher interested in all its sexy, and attempt to detect new in its field which amounted to an intellectual level to the level of innovation

- Theoretical study of research: are the study addressed theoretically in the theoretical framework and which revealed the importance of science fiction, and the distinctive features of his works

- Experimentation: is one of the most important intellectual premise of science fiction works, because the effective exercise of experimentation is working on the development of creative ability, and numerous plastic processors or innovative solutions, and handling the material used in unconventional ways.

B- technical standpoint

Concerning the technical premise student works of sculpture by embodying the ideas expressed by putting a preview of raw material with embodies will work fine ideas and students evidenced as follows:

First, determine the conditions of the experiment and choose sample

Include factors that make the experience a scientific basis:

1- Standardize the quality of students that take place on them, and which represents one cultural and educational level, and represents the normal level of boys and girls of college students quality education in Alexandria, 4th Division and 20 students arrived, how random.

2- Experiment in the standard time period for students, and are four interviews each meet four hours per week in both tribal and post applications.

3- The size of the statue falling at least m and no more than a metre and a half meter.

4- Experiment on the sculptured shape full rotation and direct alaswanli clay material composition.

5-Business is polyester material, reproduction.

Test tools

1- Student feedback form was designed around the extent of preference and taste the stonework in the field, settled on a photo after the final items displayed on the arbitrators.

2- Evaluation card stonework after modifying the experiment result student terms by arbitrators and verify the truthfulness of the content of the card.

Test steps

(A) The researcher adopted in applying the experience on scientific approaches adopted in the slit experiment first on descriptive analytical

Through student feedback form about the extent of the preference and taste the stonework, which researcher designed using: study Hendrickson, wig Hendrickson and Wag (Open the door Abdul Halim, 1983, p 82)

And carried her idea on the poll depends on the development of aesthetic taste through the linguistic expression of plastic qualities or the language of art, as it depends on visual culture for students.

- Researcher application survey sample students accompanied by a bunch of pictures of sculptures 20 sculptural work field.

- Each student is asked to choose among those business work which he preferred and taste and preference,

and write because of preference, and preferred work and lack of preference and applied this form before and after applied experience to students.

- And to draw conclusions from this form of tribal application enables the researcher to determine what his students responded in the work field and sculptured unless responds to it, in terms of the subject and his idea and implementation method "method", and the exterior and its scenic values. And what are the reasons not to savor the attention of students, discussed below when viewing results and analysis and interpretation.

Tribal poll results

Statistical results of the poll came through arbitration what students put degrees to the preference range and taste, where the use of pentatonic scale survey, which came estimating grades as follows: (very much better = 5 degrees, significantly better = 4 degrees, medium image better = 3 degrees, best = 2° , not better at all = 1 degree).

Compilation of statistical processes and degrees indicate that: most of the opinions of students, which is equal to 85% of the sample had no preference and taste the stonework.

And the part about writing the reasons for acceptance and rejection of those acts in the poll, the researcher survey non-preference and taste reasons as follows:

1- Culture and art students to not understand the fine aesthetic values and fine for stonework.

2- Misses students the ability to taste a functional language and symbols and understand the meaning of this solution, sculptured work analyzes abut field to a set of codes and puzzles might not be able to resolve it and taste it.

And a study of the reasons for the lack of aesthetic taste and preference for such field work researcher found that:

You can use these reasons and converted to a set of items can be used to build a program teaching sculpture to quality education students in Alexandria:

1- Explain and clarify the most important philosophical concepts that include the concept of beauty and science fiction and Visual art and culture in the sample field stonework.

2- Aesthetic characteristics of study field and stonework that represented an obstacle to understanding and taste those works such as:

- Clarify certain expressive values for such field work in the light of the concept of science fiction.

- Highlight values and fine skills of those acts and of (a relationship field sculptured shape void – equanimity in sculptured work – proportionality between parts of the field-effect lines in sculptured work movement in the light of the concept of science fiction – the touch values influence and effects highlight the aesthetics of sculptured work raw role in highlighting the field-work and aesthetics in mind your potential).

(B) The second prong of the experiment relied on experimental method

Where the search mechanism will be presenting her findings applied in the first part of the experiment (tribal poll results), the properties and values (aesthetic-Visual-expressive) of stonework in the light field concept science fiction, which had been favored aesthetically and not meet admission and sample student preference and reasons for this, building an educational unit for teaching sculpture at the Faculty of specific education.

First: The main objectives of the educational unit

1- Detect impact of science fiction on sculpture outdoor field for the development of artistic expression and taste aesthetic

2- Detect properties and aesthetic values and fine art of stonework in the light of the concept of science fiction, and favored by the students of the sample, and utilize them to express your style field mastermind business direct

3- Students must learn at this stage in the field of sculpture:

- Mastermind business students implement inspired by SCI fit to be placed in the fields, aligned their ideas and techniques for their implementation and the community's taste for such acts, and kept pace with the evolution in modern art schools in the field of sculpture.

- To bring students the aspects and aesthetic values in building holographic sculptured from: interconnected work unit and the diversity of marine life, achieve for and proportionality between its parts, achieve a good relationship between the parts of the model included science fiction, achieve rhythm between vocabulary.

II. Subject and materials and tools

Field study shows that most sculptures expresses elements and animal and human beings and work inspired by heritage, it had to be when executing student experience of choosing topics affecting student life and express what surrounds them in the environment, so that their expression and creativity in the selection and implementation of ideas.

It was chosen by the unit topic: direct modulation method of expression to any human or animal or engineering elements or membership in the light of the concept of science fiction.

The clay material was alaswanli is appropriate for those subjects carving material from the point of view of the researcher, and to ease the sculpture, and the availability of tools, besides availability in student environment (mud sculptural surround alaswanli 100 cm x 80 cm x 60 cm).

III. Sample

Int adopted in selecting a sample search on how random selection, and sample represented 20 students 4th YOOtheme College of education quality in Alexandria and from regional colleges which confirms that the sample representative sample .

IV. Schedule test drive

The researcher agrees with van Dalen "while" being a short practical experience because it abbreviated inappropriate factors and large aggregate and derived such as maturity and experience "(diobld van Dalen, 1969, p. 415) and it lasts four weeks applied education unit, four hours per week.

VA. Proposed education unit design and application

The researcher used a matrix Laura Chapman L. Chapman "In the vital steps for artwork, which developed matrix in six steps are:

- 1- Ability to configure ideas. 2- Ability to adapt the ideas and fleshed out.
- 3- Ability to use raw materials. 4- Respond to Visual elements.
- 5- Analysis and interpretation. 6- Judge the artwork.

The matrix has focused on visual culture, and linked the student and artist, and the role of art in society and which the student draws his sources and the sources used in his art, and Chapman adopted to recognize innovative and aesthetic values in art and nature and taste it.

Given that matrix serve current research, the researcher has been adopted, and in its light built the basic structure of the proposed education unit and in accordance with the subject for students in this research.

Pretest application (took four interviews)

Before applying the proposed education unit researcher conducting tribal application to the theme proposed in the educational unit.

- The first interview (duration 4 hours)

- Educational unit and subject is displayed is: expression direct modulation method for any human or animal or engineering elements and organic innovatively, plastic and aesthetic values of the statue.

- Into adopted its strategy for lifelong learning:

- Verbalization of the subject and excitement through questions and discussion and dialogue about the aesthetics field stonework with display models for those business stories from more than one angle is displayed while explaining to students through educational supply cylinder plant means.

- The second interview (duration 4 hours)

The students started in generating ideas and implement them with raw clay alasonli.

- Interview three and four

- Implementation has been completed and the technical output and finishing stonework.

- The tribal experience product business was evaluated by professionals in the field of sculpture, to determine the impact of educational unit Proposed.

Application of the proposed education unit: (application post)

Topic: Carry out a field direct modulation method sculptural expresses any human or animal or engineering elements and organic style achieves nshkilih values and aesthetic inspired by science fiction, the topic takes four weeks, four hours per week (for an interview), and the course of study as follows:

- The first interview (generating ideas)

-**Topic:** Configure the mbenkrh ideas of sculptural work fields expresses any human or animal or engineering elements and organic innovative style inspired by science fiction.

-Time of interview Four hours.

-he goal of the first interview

- Stirring students ' thinking on the subject of educational unit through discussion and dialogue and questions about the topic.

- Preparation of preliminary designs for the project, taking into account regulation surround vocabulary (bust) during design and attention to crafting good surround vocabulary.

Teaching strategy

- The Finder displays the subject of the lesson for students, and their discussion around it, and raise their thinking through discussion and questions about the subject (direct composition style expression of human or engineering elements and organic inspired by science fiction with think modern art schools in sculpture).

- And discussion and questions about the role of art and visual culture in understanding and analyzing works of art in the field, and questions about how to read the work of field and sculptured plastic and aesthetic characteristics.

- Display a variety of means of photographs of sculpture fields and display educational CD containing several outdoor sculptures in diverse ideas and implementation methods and sizes, and discuss students about those works to illustrate the expressive and aesthetic values of the plastic and to help students grow ideas and visual culture.

- The researcher shall clarify elements and plastic and sculptured work values the aesthetic of mass, space, texture, balance, rhythm and how to achieve those values by dealing with raw material.

- Definition of the raw material used in the project (Adobe alasonli) and modulation techniques and methods, and direct composition features and defects.

Concepts of unity in first interview

- Field sculpture

Intended 3D surround format Finder which deals with blocks and blanks and sizes outside the walls of museums and galleries scattered in gardens and fields, which is a museum open to the public.

- Formation

Technical methods intended reflect the student's style of deletion and addition of material using solid tools, to achieve a sculptured work building elements of block size and texture and poise and thread.

- Calendar

Discussion of students about their experiences in the design of innovative forms of field mastermind of human or animal or geometric and organic inspired by science fiction, in light of established design sculptured work field.

- Second interview: (to adapt and develop ideas)

-Subject: Start implementing ideas adapted and developed.

- Time of interview: Four hours of the interview.

-The goal of the second interview

- Conceptual development and performing skill to design and implement vocabulary designed for clay alaaswanli and study it from all sides (3D).

- Define plastic and aesthetic values students to work the field of sculptured mass, space, texture, balance, rhythm.

-Teaching strategy

-After adaptation and develop ideas among students using the above explain and illustrate each student began implementing idea designed by theme educational unit, after explanation and illustration of how to draw the design on mud alasonli bearing achieve 3D sculptured work while you draw the design on the material.

-Explain and illustrate how to start implementing the project using wood and metal forming tools.

-Concepts of unity in second interview

-The concept of a 3D sculpture

"Is that body which is in three dimensions and differ in substance from 2D flat shape, because it deals with the various systems of interrelationships to each of its facets, under the possibility of rotation around it, which requires a greater effort on how to control the damaged those ties even play a role in the holistic perception" (Abdul Wahab Mohamed Abu Zaid, 2004, pp 232)

-Fine art values

She set the basics should be available in the work field and sculptured necessary to feel it when you watch us work, as it's criteria for judging the sculptured work available from level to these values and is the poise and unity and for and proportionality and rhythm and diversity.

-Aesthetic concept

"It is a special effects added by the taste and aesthetic experience, and said consultations mechanism of Visual meaning and sensual on the field, depressing and stonework on the steps we have and our interaction with them" (Abdul Wahab Mohamed Abu Zaid, p.o. box 233)

-The third interview (using material)

Incorporate implementation phase with direct alaswanli clay material composition and appropriateness of material to work sculptured

- Time of interview: Four hours of the interview.

-The goal of the third interview

- Development of skills and abilities, students ' fine through the formation of clay material directly on alaswanli

- In this interview the student to recognize some technical values at work sculptured by casting and reproduction polyester material.

Teaching strategy

-Into adopted guidance and dialogue and discussion with students about some of the methods and techniques of plastic and emoticons during project implementation.

-Visual and technical solutions to address some technical issues with the help of student and researcher devised through educational methods, such as virtual and Visual problem among students while achieving 3D sculptured work, stand on solving the problem of appropriate ore slurry alaswanli and polyester to implement some of the ideas and designs and handle mass and void.

-Concepts of unity in the third interview

(Percentage, proportion, rhythm, balance, unity and diversity, polyester)

-The fourth meeting (artwork)

-Topic: Finishing and quality output to work sculptured experience product

-Time of interview: Four hours of the interview.

-The goal of the interview

-Teach students how to output work well sculptured and precise attention to detail work.

-Introduce students to the importance of overall foreign body shape, and what they are specific and distinct manifestations of his edges and corners and form surfaces and ribs.

Teaching strategy

-Into adopted on mentoring for students and dialogue and discussion and illustrated presentation forms of work field mastermind illustrate the importance of finishing and good output of sculptured work, and various solutions for external surfaces handlers to work and how to implement some of the Dawn Treader and important painter and aesthetically highlighting the aesthetics field sculptured work.

-Concepts of unity in the fourth meeting

-Texture

Intended to shape the carved surfaces properties worldwide through his vision or touched them, or our sense with its hardness or mixing.

- Evaluation of stonework after test output

-Evaluate the work performed (in the application post) according to the following steps:

- Preparation of assessment card stonework experience product, the researcher took measure of basic research goal card effect is a science fiction concept in the development of artistic expression and aesthetic taste, and measure the card technical aspects and sculptured work fine.

- Outsourced Ray sculpture specialists modify card (according to the opinions of seven arbitrators) until I reached the final evaluation card.

- Stonework was assessed for students by the arbitrators, and has retained a researcher with Penta scale appreciation (realized very much = 5 degrees, significantly = 4 degrees, achieved moderate = 3 degrees, poorly = 2 degrees, very weak image accomplished = 1 degree) and arbitrator mark ($\sqrt{}$) in front of the box of their choice and fulfilled at work.

-Seven arbitrators degrees were collected for each job and sculptural averaging grades for statistical processes for access to results and is what will be displayed in the results and their interpretation.

Research experience

For students of the fourth year Art Education Department School of education quality-Alexandria University

The following will display and analysis of some student work output of research experience to stand on some plastic aesthetic and artistic values achieved by the proposed research education unit.



Form (1)



Form (2)



Form (3)

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5. SEARCH RESULTS

The researcher was able to reach several conclusions and in the light of the research objectives and its prescriptions, notably:

1- The importance of art in the development of innovative aspects of science fiction and creative.

2- The developmental role of art is no different from science and technology but also help in their development.

3- Experimentation and scientific knowledge are essential for the production of mastermind of science fiction.

4- The researcher was able to access formal properties characterizing the work of science fiction.

6. RESEARCH RECOMMENDATIONS

Through search results and findings of the researcher of analytical method and experimental results so the researcher recommends the following:

1- Interest in scientific and cultural toll practitioner sculpture and tapped at sculpture creations.

2- Learner participation in solving future problems away and taken as a focus for his creations.

3- Interest in teaching in various educational stages polyphonic models.

4- SCI-mode in the curricula of all educational stages feedstock develop imagination and serve all walks of life.

5- The work exhibits dedicated to works of science fiction and exploratory work and displayed on the scientific institutions and publishers interested in this field.

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