

THE EXPRESSIVE AND TECHNICAL CHARACTERISTICS OF THE HUMAN BODY AND USE IN CERAMIC COMPOSITION SKILLS FOR STUDENTS OF ART

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Abstract

Ceramic art class despite craftsmanship this art of 3D surround formation included and two dimensional flat; they can dish casserole that combines characteristics of sculpture and photography at the same time, Potter's clay material used in his simulation.

So, count on some organic shapes and datasets to ornament shape these elements to complement the formal body, ceramic sculpture supplements has represented an important role in the aesthetics of the ceramic form is registration for different aspects of social life and faith.

They eat like artist porcelain funky logic; it didn't simply innovative body but she said fine values; through ceramic sculpture added supplements to the basic shape; shape new thinking and Walid content.

Ceramic vase, which dealt with human body suggests ahamet movement and motion control is the real motive is that life within the artwork.

Surface treatment business is also inspired by the human body ceramic bemthabt supplementing highlight content; it appeared like a contemporary ceramic tkswalanaa paintings reflect contemporary photography for the daring and spontaneous use of colors.

And figure porcelain in this research focuses on the beauty of expression and its relationship to the associated ceramic sculpture supplements whether or anthropomorphic carving eminently; human form had a big impact in moving emotion to work with its expressive potential and extensive kinetic can be used to enrich the forms of ceramic pots and develop skill and intellectual aspects of ceramic material Darcy

Take this search aesthetic value in ceramic and expressive action configuration study the importance of the relationship between dietary supplements and ceramic sculpture reflections of their intellectual and cultural and philosophical figure porcelain; they confirm a porcelain directly with other arts such as sculpture and photography terms combined with sculpture in that embodiment in the void, taking into account the configuration and proportions when colored glass or be carried out bushings associated with imaging requirements of consistency in technical unit that combines color, mass and technique

It added forms of dietary supplements by the prominent sculpture; or add shapes human or animal bodies polyphonic or as birds; this is innovation in art form.

Keywords: The expressive and technical characteristics, the human body, ceramic

Research background:

Ceramic art class in spite of craftsmanship this art of 3D surround formation included and two dimensional flat; they can dish casserole that combines characteristics of sculpture and photography at the same time, Potter's clay material used in his simulation.

"Adopting some organic shapes and datasets to ornament shape these elements to complement the formal body, ceramic sculpture supplements has represented an important role in ceramic form aesthetics" (Ahmad Al-Awadi Rizq swag, 1985, p. 18).

Not content with innovative body artist but they said fine values; through ceramic sculpture added supplements to the basic shape; shape new thinking and Walid content.

"Ceramic vase which dealt with human body suggests ahamet movement and motion control is the real motive is that life inside the artwork" (Mona Mahmoud Shamsuddin, 2004, p 67.0) , And the surface treatment of human body inspired QUT bemthabt supplementing highlight content; it appeared like a contemporary ceramic tkswalanaa paintings reflect contemporary photography for the daring use of color, but partial shape of human body in the twentieth century it was loaded with insights and multiple concepts, "care about abstract shape either substantive or obscure, as he reflects spatial influences of shape, therefore considered the artist as artwork characterized by unity and integration". (Dovaid Martin Reynolds , p 251) And figure porcelain in this research focuses on the beauty of expression and its relationship to the associated ceramic sculpture supplements whether or anthropomorphic carving eminently; human form had a big impact in moving emotion to work with its expressive potential and extensive kinetic can be used to enrich the forms of ceramic pots and develop skill and intellectual aspects of Darcy material porcelain.

Take this search aesthetic value in ceramic and expressive action configuration study the importance of the relationship between dietary supplements and ceramic sculpture reflections of their intellectual and cultural and philosophical figure porcelain; they confirm a porcelain directly with other arts such as sculpture and photography terms combined with sculpture in that embodiment in the void, taking into account the configuration and proportions when colored glass or be carried out bushings associated with imaging requirements of consistency in technical unit that combines color and technical block and added forms Dietary supplements by the prominent sculpture; or add shapes human or animal bodies polyphonic or as birds; this is innovation in art form.

Search problem:

"The artwork is not a tool to present reality but it is a fact that independent style and new thinking, but is in turn another reality added to real life" (Princess Helmi Matar, 2003, p 215) was a catalyst for the launching of a porcelain outer space artist contemporary thought he even described: "the birth of a new installation in thought and philosophy aims to formulate constructive elements using modern machines in construction and composition derived from the Visual concept of sculpture and photography and ceramic formulations while maintaining the character of the material." Caiger-Smith, Alanluster Pottery,1985,p.90)) It was "the first what attracts the viewer towards the work of art is the beauty of the shape, and people usually respond to sensory nature of things and enjoy it." (Mohsen Mohamed Attia, 2000 m, y 66.0) , The Add ons by the prominent sculpture or add polyphonic forms of human or animal bodies it means Jamali appearance besides being ceramic shapes reflect things often linked to human life and beliefs.

And the researcher believes that modern ceramic business owners took human form a powerful resource derived from their work, ceramic forms mastermind character, ceramic style and technique, but humanely abstract at times, and at other times diagnostic image.

The problem with search in question:

- How can you take advantage of the expressive features of the human body in the ceramic composition skills to students of art?

Research objectives:

- 1- Understand the aesthetic and expressive values that carry ceramic sculpture supplements in traditional and contemporary ceramic forms.
- 2- Perceiving shape unit and how each other as one entity his artwork.
- 3- Find modern plastic funnels ceramic shape manipulation through the use of the human figure in contemporary Ceramics building
- 4- Development of the artistic taste of Darcy porcelain by studying methods of dealing with human form as

ceramic carving supplements and the extent of use in building contemporary ceramic vase.

Hypotheses of research:

Foregoing the researcher assumes he can:

- 1- Contribute to human form in the development of ceramic artistic vision areas.
- 2- Ceramic sculpture linked values not vital and help complete artistic expression gives ceramic figure by eating human form as a formative element.
- 3- It added that the ceramic shape complementary ceramic sculpture is to shape new thinking and Walid content.
- 4- Ceramic form focuses on the beauty of expression and its relationship to the associated ceramic sculpture supplements whether or anthropomorphic carving eminently

Significance of research:

- Development of plastic art education students vision by eating human figure ceramic Collections.
- Add new ways to treat the surface by adding ceramic sculpture supplements that contribute to increased levels of Expression of kidney shape.
- Learn about ceramic sculpting supplements to realize some of the hallmarks of her taking advantage of human shape as a proposed solution needed ceramic students formations.
- Learn about ceramic sculpting supplements for ceramic form and how they affect the overall body shape and study them as expressive and aesthetic value.
- Free students from the traditional vision of crafting ceramic form.
- Prepare a generation of art students can handle the concept of contemporary technical ceramic product.

Limit search:

The study is limited to:

- Production of ceramic design and implementation based on CMOS technology ceramic sculpture bearing the most important attributes that were the most important results of the study of this quality.
- Use the template and slide in building ceramic forms.
- Use technology that Gash and preminent, ropes and balls in formation.
- Applied research experience is limited to use mud alaswanli in ceramic composition.
- Search is confined to providing training unit has many practical applications of ceramic art 3D binary and for students of the third party Professional Education Department, Faculty of specific education Alexandria University and targeted to produce works of art. Based on the use of human body and benefit in ceramics painter and verbally far to open new professional horizons and variety of art education students.

Research methodology:

In the theoretical framework descriptive analytic researcher tracking.

Applied researcher tracking framework experimental method through practical applications.

First Theoretical framework:

Supports research on study of contemporary ceramics that illustrate the extent of the Potter to achieve aesthetic values through the human body in ceramic creations through:

- 1- Pedagogical dimensions to figurines and accessories ceramic sculpture.
- 2- Study of factors and variables in the contemporary ceramic art and the extent of its reflection on the ceramic shape inspired by the human form.
- 3- Study of ceramic sculpture supplements as an integral part of the overall body shapes and feature of contemporary ceramic form.
- 4- Expressive and aesthetic values of the human body as a ceramic carving supplements.

5- Derive the relationship between plastic technical and aesthetic values in ceramic work.

II: Applied window:

Unit title: The expressive and technical characteristics of the human body and use your skills in porcelain art students.

Area unit: Holographic composition (porcelain).

The philosophical underpinnings of the unit: Effect of interaction of human body kemkl ceramic sculpture on ceramic composition for creating contemporary ceramic works

Unit objectives:

1- Give the trainee technical concepts and technical skills related to contemporary ceramic composition.

2- Create multiple entries for the human body approaches in developing the skills of ceramic composition for art students.

Sample unit: A group of (170 students) students from third party technical education Department – Faculty of specific education, University of Alexandria.

Time unit: 36 hours.

Steps of unity: The unit is taught in 9 interviews 4 hours for the interview.

Materials and tools: Design drawing tools and paper-clay asonli – mineral composition tools-configuration tools-wood-cutting equipment and refine ceramic – linings

Methods and ways of teaching: The collective teaching boot method, dialogue and view the demonstration and open debate.

Calendar: Progress calendar after each interview

Final calendar after the end of the module.

Then the researcher identified procedural goals of teaching the unit proposed below:

First Cognitive goals:

To have a student after completion of this module the ability to:

- Recognize a human figure approaches as ceramic carving supplements and how to take advantage of it in the construction of contemporary China.
- Recognize the atypical form formulations as a technique to add to our contemporary porcelain atre formality and terms .
- Recognize the expressive aesthetic values and ceramic sculpture supplements borne in heritage and figurines Contemporary.

II: Skill objectives:

- Transform design into elements and Visual variables based on the principles of abstract art design fit with contemporary ceramic composition.
- Bring the plastic values and the touch of contemporary design ceramic work.
- Distributes ceramic techniques and elevation on the design before starting the implementation.
- Conceive and develop solutions to the problems faced by technical and during the implementation process.
- The work employs contemporary fused with contemporary needs and the labour market.

The third A: emotional goals:

- Ceramic work inspired by the cherished figure phantoms and feel like belonging and also respect for manual work and appreciate it.
- Take into account the precision and perfection in ceramic form implementation.
- Comment on using abstract elements and visual vocabulary and what it will add to our contemporary ceramic form.

- Taste fine art and aesthetic values in elements of vocabulary human body sculpturing.
- Wish to continue and experimentation in working ceramic Studio.

The concepts of unit:

1- Format:

Define (Red) Shape **Form** That body art clustered who drafted by the artist reflect the artwork whether building or a statue or a picture or a vase or a hair or a piece of music and Latin pronunciation **Forma** and construction method and meaning " (Abdul Ghani Nabawi shawl , 1956).

And the format is that the space occupied by the body of the vacuum, and those distinctive features resulting from variations in body surface is "Caucus rule in a particular way, and a certain order in the case of relative stable" (Peter Lane, 1995, P 35)

2- Human form:

Is the sum of interrelations between human body parts, where general human body components it contains major parts such as the head and Onyx and parties, plus the partial derivatives of these parts of the body details.

3- Expressive values:

Expression in the artwork is "disclosure of meanings in a language form, and everybody has meaning, while objects and react with each other to generate meanings of these meanings associated with the nature of such objects as tangible entities can improve vision and touch". (John Doe, 1963, p 111)

And expressive values depends on how an individual's subjective experience, which in turn affected cognitive vision, as it depends on the nature of the forms contained in the artwork, and that discloses its structural system and about their meanings and semantics of these meanings, and in turn depends on the ability of the artist to give the plastic elements a sensory characteristics interaction appears to raw material to achieve the idea of the artwork. (Mohamed Ishaq Qutb, 1987, p. 32)

4- Technique:

Intended total processes and cognitive skills and practical theories or associated with and necessary for the production of ceramic pieces from the material of the selection until a product exists. (Abdul Ghani Nabawi shawl, 1988, p. 33).

5- Heritage:

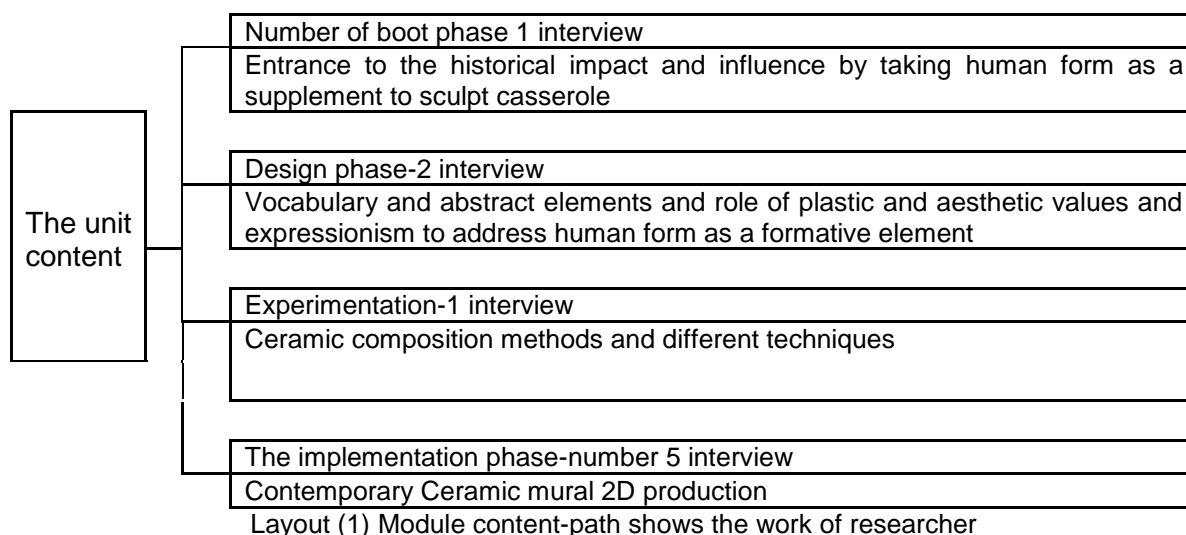
Launches the legacy word beyond its history as past achievements of purely technical values "Understandable mental and emotional heritage of personal value determines which lends the meaning of existence and assigns in their intellectual and emotional". (Badruddin Abu Ghazi, 1987)

6- Supplementing the ceramic sculpture: a procedural definition

One of the techniques or methods added to original ceramic figure calculated stems from, or added to, and that contribute to the total body treatment in a new way and emphasize the aesthetic values of these plugins associated to the overall expression support shape aesthetics.

The unit content:

Be put through four main stages ranging from all part and from simple to complex and are as follows:



1- Boot phase:

First lecture: Historical entrance and the extent of the impact and vulnerability to eating human form as a supplement to sculpt casserole

Objectives of the interview:

- Introduce students to the expressive value in Figure porcelain inspired by human body.
- Detect content and intellectual significance of ceramic sculpture supplements.
- Introduce students to the methods and ways of expression through full or partial human figure in contemporary ceramic form.
- Emphasize the importance of aesthetic concepts and the fine ceramic sculpture supplements as an entrance to artistic creation.

Corresponding workflow:

Students are asked about the possibility of enriching ceramic figure, by taking advantage of the plastic potential of human form shape manipulation porcelain ceramic sculptures as supplements, and what ceramic sculpture supplements and their types and technologies, and is there Artistic value and aesthetic and expressive for dealing with human body in ceramic form, then the researcher begins to clarify some of the doorways, for example

Abstract direction:

Its structural aspect Potter cares to shape organizational relationships where the staff sensual characteristics abstract structures in expressive content confirmation, pours through the shape and its impact on the Viewer, without resorting to direct subject, this trend represents the following:

- What dietary supplements:

"Is a worldwide meditation aimed at, there's a certain thought service oriented supplements and dietary supplements from the aesthetically only" (Mohamed Zaki ashmawi, 1981, p. 81).

It is certainly expressive dimension in Figure porcelain, ceramic sculpture supplements carry attributes and philosophies together form effective potent chose material and technical and aesthetic aspects of plastic values link and expressionism to ceramic shape parts unit.

- Ceramic sculpture supplements through the ages:

" The prehistoric find that stone age man carved on the walls and crockery fees for human and animal organisms and birds were magical or religious significance" W. M. Flinders Petric, p.p116-118))

"May the old human shapes carved artist and animal forms, both sculpture in the round or prominent sculpture or photography, sculpture and painting have integrated together to confirm the idea," then came the Greek and Roman civilizations addressed Arts beauty of the human body, their gods as human beings, whether real or legendary animals have played a secondary role in this art ". (Ziauddin Abdul Dayem, 2000,

p 11)

Pre dynastic explained how dealing with ancient Egyptian artist clay material and their creative art pieces as well as recorded on carved parts as supplements to the shape expresses the beauty and the ancient alsrion made pots and kettles and cups to eat and Moses and keeping liquids and pills and bowels of the dead and religious beliefs, they know a lot of different ceramic techniques, led to the diversity and plurality of techniques in materials and methods of formation and surface treatment with motifs, sculptures and caved in.

- The philosophy of ceramic sculpture supplements:

Ceramic sculpture supplements helped found pottery and ceramic pieces identifying ancient cultures and the nature of concepts, beliefs and traditions that prevailed at that time, as most of these supplements vibrant ceramic sculpture concepts and visions.

To learn about these concepts and visions must note the symbols and expressions of the supplements that appeared in the artistic and historical monuments, where he found on the surfaces of ancient ceramics sculptures of animals, birds and human forms and other plants, and each of them was in itself expresses the meaning and concept associated with a particular belief or myth.

- Ceramic sculpture supplements and religious beliefs:

Existing forms of ceramic sculpture supplements are some figurines as a tool for effective messages explain thought and realization of religious belief, religious belief with all its affiliates take ability intellect of vital figurines systems continues.

There were animal and plant symbols icons and other elements of nature found on ceramic pots in ceramic sculpture supplements, structural symbolic sound projection of thought, here was a clear connection between the manifestations of universe and intellectual content that describes the religious beliefs, although they were not copies of fact but account for the phenomena of life including strong inclinations and desires and concerns moved us symbolic forms of supplements and Holiness as being related to the systems and concepts associated with rites and rituals and religious beliefs.

2- Stage design:

The second and third interview: Vocabulary and abstract elements and role of plastic and aesthetic values and expressionism to address human form as a formative element:

Aims of the interviews:

- Introduce students to the work of photography artists that express human or animal shape and how abstract wording.
- Focus on the importance of proportionality laws overlap and poise and still meet in the distribution units and functional elements.
- Emphasis on diversity in human shapes product range selection and the role of texture.

Conduct the interviews:

- Introduces students to some of the artists of photography featuring their work using human shape and its meaning of the terms.
- The importance of understanding the relationships between human forms in abstract units distributed design fundamentals and the possibility of organized within various formations and combinations produce infinite variations are characterized by harmony and balance are based on repetition and overlap and to seek balance and exchange between shapes and the floor.
- Designs are inspired by human elements or can combine different bodies to prepare the design wall casserole.
- Finding solutions to the problems faced by students during the design analysis.

3- Experimentation:

Interview 4: Ceramic composition methods and techniques.

Objectives of the interview:

- Recognize your free manual methods of clay alaswanli.

- Modify your methods in ceramic form and execution tools used.
- Try out some techniques before the start of the actual implementation of the ceramic shape to discover the best performance in the mural.

Contemporary Ceramic.

- Explains the methods of dealing with human body in shape porcelain with apocalyptic movement.

Corresponding workflow:

- Through ways different composition (delete-add – Sling – core).
- Practice on how to add a supplement to sculpt and shape consistent with the commensurate casserole casserole and good and harmonious composition.

4- Implementation phase:

From fifth to ninth interview interview: Contemporary ceramic mural 2D production

Aims of the interviews:

- Estimated value of ceramic wall output properly.
- He feels the importance of addressing the human form as a supplement to sculpt casserole and its role in the creative process.
- Take care of the contemporary ceramic work and feel like continuing and experimentation.

Conduct the interviews:

- Two students for every student performs the work casserole pot-shaped 3D and 2D work shaped Casserole in your attention acts inspired by the human form as a supplement to sculpt casserole.
- Require that the 3D work (ceramic jar) in a space of at least 20 cm height for each student.
- There have to be two dimensional work (ceramic wall) in a space of not less than 15 cm width for each student.
- Students begin to copy the design after the ceramic shape stability in a way that drip.
- Overall design ceramic wall space after Assembly 3 m x 2 m.
- Ceramic implementation is required to be on an organic zaushkl template (circle-oval-free form).
- Students begin implementing design free from realism to the human figure diagnostic vision and its elements are impressions in different areas.
- Performs engineering design students (circle and square) are elements of abstraction in a space at least one dimension 15 cm for each student.
- Each student performs its work lining the lining with white color in a way antenna spraying or immersion.
- Ceramic fire operations are performed within the College fire ovens to be first fire temperature (950) and also fire lining temperature (1000)
- The researcher shall guide the students and explain the part linked to how the formation and material handling.
- The researcher involved her students to see what has been done and the exchange of experiences and views.
- Discuss business at the end of the last lecture ceramic mural parts are assembled.

Calendar module:

- **Discuss the educational dimension to use the human body as a crafting canvases for Contemporary Ceramic form:**

Ceramic vase could that combines characteristics of sculpture and painting at the same time, which was driven towards changing the concept of ceramic art of limited physical function acts to job prospects aesthetic, "contemporary Potter while innovates shape it provides innovative new idea to enjoy aesthetic values, which sends a message confirming what this work accepted and appreciated and enjoyed scenes"

(Reter Seliz , 1982,p 100.)

The human body-inspired ceramic acts as a supplement to highlight content, it appeared like a contemporary ceramic vase cover paintings reflect contemporary photography for the daring and spontaneous use of colors and the Dawn Treader, and her dorvi to facilitate the process of experimentation and development of innovation without experimentation is impossible the creative process to appear without systematic experimentation and innovative developer generations appears impossible, through experimentation can build positive personal perseverance and effective, capable of positive interaction with age, which in turn will contribute to Behavior modification have Darcy art, to set it up so that it can be able to adopt ideas that contribute innovative dimensions, which in turn is working on the development of entrepreneurial skills, to deal with the raw clay, which is the subject of research.

And through it could be given consideration on some educational dimensions for use of dietary supplements as a feature of ceramic sculpture Modern porcelain features:

1- Aesthetic and formal concepts of ceramic sculpture supplements:

Creative visions changed ceramic sculpture supplements since the beginning of this century, with the beginning of modern art schools existed and there variations each conceptual art school arose, whether following the former school counter in intellectual and philosophical and artistic direction or parallel, played this and other reasons, from the philosophical, social and political theories and technological advances together play an important role in shaping the new vision of the ceramic form processing and its association with supplementing sculpture casserole and materials.

And there is freedom of expression beyond utilitarian framework and view art terms and symbolic shroud supplements and structural and conceptual, and care research to study the importance of the relationship between the ceramic and sculpture supplements reflections philosophical and intellectual and cultural contents on ceramic form, where was this content as a starting point for studying the transformations changed the aesthetic concepts associated with dietary supplements

2- . Content and intellectual significance of ceramic sculpture supplements:

It is a ceramic sculpture supplements the registration status of all raise a realistic dilemmas than drop the artist on his artwork up as some kind of symbolic basic motor trend of thought which created Comte significance result holds in the procedure for converting theories into practice.

The researcher believes that art schools to benefit from human form as a supplement sculptural building ceramic pots are compatible with contemporary ceramic art features and how they can benefit from the added supplements nature of figurines and plastic values and expressive movement us feelings of the artist Potter and emoticon in form terms and solutions Jamali plastic formulations suitable for ceramic pot which confirms the expressive content of the ceramic form.

3- Expressive value in ceramic vessels inspired by the human body as a ceramic carving supplements:

Expressive values in ceramic art is a language spoken work and address the recipient, the contemporary artist include ceramic artistic expression which uses statutory artist shape, color and texture as well as values such as poise and rhythm And proportionality, which was formulated by the contemporary artist commensurate with his feelings and conscience, show business image in the expression. "(Mahmoud basiouni, 1985, p. 78).

Says John Dewey "artist of his work generates a weathered, each process is only engaged artistic experience under other independent tests performed by the artist to assert itself and to highlight to view what can be realized without depends on seeing on the modern vision that exposed artist in unique and innovative experience" (Mahmoud basiouni, 1985, p 78) .

From this point the researcher believes that experimentation is not a matter of prestige but a substantive means for detecting and establishing scientific behaviour and thus an urgent need to know the facts and uncover and selected and how can their own goals for mastery of raw material and detect what they are and what they can offer to the art schools for use in enriching the Visual and expressive side of ceramic work.

The researcher believes that the primary purpose of education is thought to foster and develop and educate and teach students to build positive character persistence and effective, capable of positive interaction, which will contribute to the student's behavior modification in particular and the wider community.

Researcher shows that the balance of information when an individual plays an important role in innovative thinking, this prerequisite and necessary but perhaps may not be sufficient without innovation emerging

creative process is impossible without exercise and experimentation through structured educational process impossible sophisticated contemporary and innovative generations standing Darcy art without ID.

Ceramic mural displays after assembled and ran with his students debate records about accessibility Addressing the human form as a supplement to sculpt a casserole in the light of the concept of abstract art and the touch effects of raw material used and the most important methods of installation and cohesion with an emphasis on the pros and cons for each work casserole pictures From: research experience for students of the third party Professional Education Department, Faculty of specific education Alexandria University academic year 2016/2017.

Research experience

For students of the third party Professional 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.





Forms (1:12)



Form (13)



Form (14)



Form (15)



Form (16)

Search results:

- 1- Historical survey of the human body-inspired ceramics having a diversity of forms and methods of handling the kidney or a human body parts depending on the cultures of peoples and their contact with other civilizations.
- 2- Contribute to human body expressions added to the Vase porcelain in tempo and intellectual development of ceramic material Darcy.
- 3- Blending the art of ancient legacies between supplements its symbolic implications and modernity and miscellaneous methods.
- 4- Supplementing the ceramic sculpture is part of giving several expressive and aesthetic porcelain figure.

5- Supplementing the registration of various ceramic sculpture aspects of social life and mythical and ideological boundaries.

6- Complementary ceramic sculpture helps creativity when artist Potter where afforded all lets him of ways and new entries bring out solutions and plastic formulations.

7- That artist for aesthetic expression in ceramic sculpture supplements showed the possibilities of art in profile, interact with her expressive vision and created a special plastic, combines fine sculptural values and technical potential ceramic privacy.

Research recommendations:

1- The need to pay attention to the rare groups of ceramic vessels such as bowls a full body or inspired Partial human figure and expressive and artistic values.

2- The need to pay attention to the study of non-traditional forms in ceramic art by allowing students to observe.

And experimentation.

3- Need to correct common idea about entropy of ceramic art of retreats in pots functional nature

And replace it with the contemporary concept of being formulated by the artist expressions Stereogram.

4- Focusing on the aesthetics of ceramic sculpture supplements in art heritage and different civilizations, which provides the opportunity to identify

Expressive supplements and aesthetic connotations and its relation to thought, which contributes to building a student's philosophical thought in the field of ceramics.

5- Precision in exact proportions maintain consistency between form and added components and their relationship to the content.

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