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Effect of Using Mind Maps & Amalgamation of Tradition Motifs for Developing Student's Skills To Create Contemporary Designs Proper For Hotels and Tourist Village's Upholstery

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Abstract

The research aims to take advantage of the method of teaching by mental maps to train the students to create designs that are distinguished by originality and modernity by combining the decorations of the Jizani heritage and Islamic art to improve the aesthetics of the designs of the furniture of tourist villages, in addition to educating officials of hotels and tourist villages on the importance of using furniture of an Islamic heritage characterized by originality and contemporary On heritage and its transmission between different societies, and the research sample consisted of two groups of students for the graduation project decision (five students for each group, one of them an experimental group and the other its control, as each group created ten designs using Ramsete, and Photoshop was used to employ the designs. The researcher has prepared a questionnaire form to find out the opinions of specialists, pioneers and officials of tourist villages on the proposed designs, and the research follows both the descriptive and experimental analytical approach,



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and the researcher concluded that there are no statistically significant differences between the mean scores of the students in the control group and the experimental group Concerning the axes of the design questionnaire in medicine The pre-study, while there are statistically significant differences between the mean scores of the students in the experimental group in the pre and post application in terms of the effectiveness of using the mental maps strategy in favor of the post application, and there are also statistically significant differences between the mean scores of the students in the control group in the pre and post application in favor of the post application. Statistical significant differences between the mean scores of the female students in the experimental group in the pre and post application according to the axes of the questionnaire in favor of the post application, and there are also statistically significant differences between the mean scores of the control group students and the experimental group students in the axes of the questionnaire in favor of the experimental group, and this confirms that the teaching method with mental maps and merging between Decorations have had an effective impact on developing the skills and innovation aspect of the students, and the researcher recommends using the mind maps method in teaching on a larger scale to take advantage of its many advantages in teaching and design and the need to combine different heritage motifs and use them as a rich source of quotation to enrich the aesthetics of innovative designs and to revive the heritage and preserve it.





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On the Arab identity in design it is used in the furnishing of hotels and tourist villages in general.

Keywords

Mind Maps, Amalgamation, Tradition Motifs, Students' Skills, Contemporary Designs, Hotels, Tourist Villages.

Introduction

Those interested in education and learning seek to innovate new programs that aim to improve the conditions that affect how students learn, and many studies have contributed to uncovering many secrets about how the brain performs its functions, and based on those studies, modern theories and new concepts emerged that began to invade the field of education (1993 Tony Buzan), and Safaa Ibrahim (2015) mentioned that the scientist Tony Buzan is the author of distinguished works in the field of memory and the maker of mind maps, which are considered one of the most recent teaching strategies. Wafa Suleiman (2013) indicates that Tony Buzan invented Mind maps in 1971, while their first widespread appearance in 1974, Nadia Samih (2007) states that there are many names for mind maps, including mind maps, mind maps and mental maps, and Asmahan Ismail (2013) explains that there are two types of mental mapping.



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Either manually using paper and pen, or using computer programs while following the same manual drawing steps, and electronic maps consist of lines, arrows, geometric shapes, pictures, colors and symbols, as James Cook 2009 University points out that D. Mind mapping. We must put the basic idea in the middle and not as students do from drawing on one side of the paper. Wafa Sulaiman (2013) mentions that mental maps include many areas: learning, memorization, planning, which is useful for being able to design all the details From beginning to end on a single piece of paper, in addition to organizing, communication and concentration, training and thinking, intellectual development, as Naguib Al-Rifai (2006) mentions that the applications of mind maps are not limited to increasing innovative capabilities and artistic creativity, but rather help the student in his course, whatever his major, and it is used. Tony Buzan (1991) points out that mind maps are a flexible tool that can be used to write a memo, prepare a meeting agenda, or get an overview of a complex project, as Saladin (1991) points out in the appropriate planning of design, innovation and generating useful ideas. 2006) pointed out that the mental map enables us to read information with the whole brain, where the information is stored for the longest possible period in it, because it combined pictures and words, and linked the different meanings to each other through the branches used to draw it, Thus, it is similar in shape to the nerve cell,





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and Nabila Ali (2011) points out that one of the most important advantages of using mental maps is to broadcast the spirit of suspense, prepare the soul, impart spontaneity, creativity and imagination, and Rania Al-Sayed (2015) added to these features that activates all parts of the brain, providing a graphic statement When the student does not know about the subject, which allows him to easily identify the gaps in his information, it maintains the activity of thinking and brings it closer to creative design solutions, and Najeeb Al-Rifai (2013) mentions that it helps in shortening the curriculum, preserving information easily and easily retrieving information, as mentioned (1996) David Hyerie that the importance of mind maps helps learners to structure information, understand and clarify their ideas in a tangible way, and reach a greater understanding of relationships, as Rania Al-Sayed (2015) indicates that the importance of using mental maps in design is due to the fact that the method of creating ideas is more logically coherent. The number of the resulting design ideas is more, and Mahmoud Jumaa (2013) and David Hyerie (1996) mentions that mental maps have many types, including: pie maps, tree maps, bubble maps, and bubble maps. Double, flow maps, series, multiple flow maps, pillar maps, bridge maps, which differ among themselves in the way of drawing and the purpose of use, and Tony Buzan (1996) indicates that the human brain is divided into two parts, left and right, and each side controls the opposite part of the body.



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As Rania Al-Sayed (2015) mentions, the right half deals with activities related to color, harmony, imagination, daydreaming, dimensions, space perception, music, ... She also indicated that the studies - Orenstein and Bozan "indicate that every person has great capabilities. And latent in the fields of art and science, as Nadia Samih (2007) pointed out that traditional education usually focuses on the process of the left hemisphere, and Nancy Margiolz (2004) indicates that putting ideas in the form of pictures next to words enhances thinking skills and improves performance. Muhammad Abdul-Ghani (2007) indicated that mind maps are like drawn summaries of information to facilitate visualization and then recall, as the human mind can remember what it sees faster than it remembers what it hears, and Tony Buzan (2007) indicated that the student can strengthen his memory Using it for activities you are working on The two lobes of the brain are occupied and the elements of both sides of the brain are combined, which increases the general ability to perform. Magdy, others (2008) indicates that the strategy of mind maps in teaching is directly related to activating the mental abilities of students, as it focuses on developing the creative and cognitive thinking skills of the human being, and emphasizes Ahmet Simsek (2007) study indicates the effectiveness of using mind maps in teaching, and Wafa Sulaiman (2013) study found that the teaching method using mind maps (the experimental group) led to an increase in students' interaction, understanding and comprehension compared to the traditional teaching method used with the control group, too.



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Nadia Samih's study (2007) found a statistically significant effect of the mind maps strategy on student achievement, while there was no statistically significant effect in the control group with different sexes. Also, Iman Hamed's study, Lamia Ibrahim (2010) concluded that mind maps had An effective impact on the development of the cognitive and skills side, as the teaching method using the mental maps method outperformed the traditional teaching method. The study of Faizah Jameel (2009 AD) also concluded that the teaching method With mental maps, it gave students the creativity skills when teaching with the computer, and the study of Noor Al-Hoda (2013) found the extent of the effectiveness of teaching using mental maps in developing creative thinking and cognitive achievement in the subject of home economics among middle school students in addition to their ability to quickly comprehend and remember. The study Salah A & others (2014) had an effective effect on using mental maps thinking strategy, as it led to improving the scientific processes of the students in the experimental group.



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Research problem:

- What is the effectiveness of using the mind maps method in teaching the graduation project course?

- What is the effect of using the method of mental maps on teaching to create contemporary designs for furniture for tourist places?

- What is the role of merging the motifs of the Jizani heritage and Islamic art on the aesthetics of the innovative furnishing fabrics designs?

Are the proposed designs of adequate functional and aesthetic quality?

- What is the effectiveness of the proposed designs as furnishings for hotels and tourist villages in spreading the heritage culture among countries?

Research hypotheses:

1- There are no statistically significant differences between the mean scores of the female students in the control group and the experimental group in the questionnaire of contemporary designs, furnishings, hotels and tourist villages, in the pre-application.

2- There are statistically significant differences between the mean scores of the students in the experimental group in the pre and post application in terms of the effectiveness of using the mental maps method to create contemporary furniture designs in favor of the post application according to the results of the questionnaire.



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3- There are statistically significant differences between the mean scores of the female students in the control group in the pre and post application of the contemporary design questionnaire for hotel and tourist village furnishings in favor of the post application.

4- There are statistically significant differences between the mean scores of the students in the experimental group in the pre and post application of the contemporary design questionnaire for hotel and resort furniture in favor of the post application.

5- There are statistically significant differences between the mean scores of the control group students and the experimental group students in the contemporary design questionnaire, hotel furniture and tourist villages, in favor of the experimental group.

Research terms:

Mind maps: They are an expressive method for expressing a personal view of ideas and diagrams instead of defeating words only, as they use branches, images and colors to express the idea, or it is an effective educational strategy that links the information read in books and notes with drawings and words in the form of a map. Where the readable idea is converted into a map containing short shapes blending shapes in one sheet.

Heritage: it is the product of human thought left by the ancestors and expresses the culture, history and values of society in different historical periods, or it is the vessel of civilization and the subtleties of culture.



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It preserves the essential characteristics of the nation that distinguish it from others, embodying its heritage and recording its history.

Procedural study: An applied study was conducted on five female students for each division of the graduation project decision, noting that this is the actual and total number of female students in each division. : At the beginning of the semester, the students in the two groups were instructed to create a design that would fit the furnishings of the tourist villages by incorporating decorations using the Ramsete program.

- After the students finished preparing the designs (Appendix 4 and 5) according to the time specified for them, the designs were evaluated according to the axes of the questionnaire that the researcher prepared (appendix), (pre-evaluation), in order to obtain parity in the two groups. The results obtained by the students were recorded and evaluated in each design in the two groups.

- The control group was taught to the students according to the traditional method when they were inspired or borrowed from the decorative units in terms of: placing a picture showing the source of the quote, the innovative design, and the default employment of the design, if any.



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- The researcher introduced the students of the experimental group to the concept of mental maps, their importance, advantages and how to draw them, and presented ready-made models for the maps so that the students could draw them. A sample mental map was presented for the steps of writing the research plan in the course, and another model was shown illustrating the steps of work in the application side using Photoshop (prepared by the researcher) in order to illustrate the steps of creative thinking using the method of mental maps to make an integrated design idea suitable as furniture in tourist villages from During the incorporation of decorative elements under study.

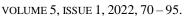
Each student in the experimental group prepared a mental map for the vocabulary of the practical course using the (Photoshop) program, taking into account the following (Tuway Buzan, 2007):

- Place the main idea inside a picture or prominent figure in the middle of the workspace(because it stimulates creativity).

Put the main ideas from which several secondary ideas are branched out, then link the branches of ideas in order with the main idea until the ideas are connected in the brain and thus result in more creative ideas and this is consistent with the shape of the nervecell.

- The branches should have curved lines because the mind is more attracted to them.







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- Use of colors to show the above, because colors help stimulate the visual centers of the brain and attract attention, and thus help distinguish areas of creative thought.

Jazan location:

When talking about the Jizan region, we find that it is located in the south of the Kingdom of Saudi Arabia, and the climate of the southern region differs according to the location and altitude above sea level, and there are different models of heritage that deserve study, and this is due to the diversity of its geographical environments and the different climatic influences, so that the civilization of nations is not measured by what it has. It is based on scientific, technical and economic development only, but it is measured by its rich heritage and history, as heritage is the most important tourist and economic attraction for societies that put it in economic (Ahmed Mahmoud, their system 2014). Consequently, the responsibility for preserving heritage has become a human responsibility to help preserve landmarks. The past is so that the future can see it (Ahmed Yahya, others, 2014), and every society has a civilizational and cultural heritage that distinguishes it from other societies, which affects all aspects of the fields and activities in every society, including the field of arts, textiles, architecture and others (Reem Al-Zahrani, 2014). Heritage is linked to identity Patriotism, it means cultural uniqueness with all that the meaning of culture includes in terms of customs, patterns, values, and outlook on the universe and life.



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The rak, with which individuals and groups relate themselves to these ideas, that the architectural works, the works of sculpture and the photography on the buildings, the elements and the archaeological ornaments, the inscriptions, the caves and the groups of monuments that all have an exceptional universal value from the point of view of history, art, or science all express heritage, and thus Heritage documentation has become a necessity to preserve it (Yasmine Sabry, 2014). Heritage decorations are distinguished in the southern region in general and in the Jizan region in particular by the presence of drawings on the walls and doors that take on geometric shapes (triangle, square, rhombus, lines, and circles) in addition to the variety of colors of their decorations (dark red (Blue, Yellow, Green, Brown, and Black), Antiquities and Museums Sector, 2010) and Hamida on (2008) conducted a historical study of the traditional fabric of Saudi heritage and analyzed it to find out what it is characterized by in terms of decoration for use in making modern decorations supplements.



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Muhammad (2006) highlights the importance of folk art as a national art, and it should be preserved by employing innovative designs with modern technologies to be suitable for printing complementary printed upholstery fabrics (salon pillows and entrances), and Ahmed Mohamed's study (2004) aimed at studying the ornaments in the Islamic era and making use of them in the development of designs that can be used as contemporary textile pendants. Amal Mahmoud (2010) study dealt with the evolution of engineering networks through the different Egyptian eras and the use of color and optical variables for stenciling to reach the tricks of kinetic delusion. The study of Nirvana Abdel-Baqi (2012) also aims to study the Islamic decorative elements and to identify their philosophical, intellectual and aesthetic content, and implemented some of the designs that achieve the third dimension in the form of pendants executed in the style of hand Tuffting and bear the Islamic identity. Muhammad (2004) indicates that the colors commonly used in Islamic woven pendants are white, navy, yellow, navy green, red, crimson, and black, and Ismail Shawky (2007) defines design as the organization and coordination of the collection of elements, or the interior parts of each coherent part of an object.



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The product, i.e. the curd that combines the aesthetic and utilitarian aspects at the same time, as Ismail Shawky (2007) states that each design has a function that it performs, and the artistic production process is affected by the following factors: The performance skills related to the design, the function of the artwork or the piece produced by the designer artist, the subject of the design, and that design aims to meet specific human or social needs. Hussein Hajjaj (1985) defines curtains as a type of pendants that are used initially in decoration, screening, or otherwise. With the diversity of their shapes, materials and purposes, and their content extends to meet the functional or aesthetic purpose, or both, and Zainab Abdel Hafeez (2007) mentions that curtains are a piece of fabric used for the purpose of blocking light, Air or water currents, and protecting the privacy of the place from people outside and may be used as an aesthetic piece, Hussain Hajjaj (1985) defines the pendants as those fabrics of high artistic value that are produced for the purpose of completing the interior architecture for its functional purposes, and Shatha Kamal (1989) mentions that the pendants are Textiles and curtains must be resistant to the effects of sunlight, resistance to dirt, stability against dust, fumes, pollution, smoke and moisture, the ability to resist fire and ignition, and materials with a variety of touches must be chosen.



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Hawari Miraj and others (2004) indicate that tourism has become one of the fields that have been witnessed in Recently there has been a growing interest in that it has become one of the resources for the comprehensive and reliable development to contribute to raising the economic growth of the country, and Nasser Abdel Aziz (2012) indicates that the hotel is no longer limited in our time to merely providing tourist service, and it is no longer known as a place to accommodate guests as it was in In the past, but the modern hotel is an integrated organization that aims to provide tourism service in its comprehensive sense. The hotels now are organizations of multiple types, shapes and purposes, and they have spread throughout the country. For a whole world, which are partial major systems of the tourism sector for each country of the world, and hotels are a building in which the guest finds comfort, shelter, food, and service for a specific period of time for a specific and defined fee, and the word hotel or "hotel" is originally a French word It was used in the Middle Ages to denote the beautiful home of an important person, such as the seat of the king's government, which is a word from the French hotel language (HOTEL), and refers to (wikipedia. org) until the presence of a strong network of hotels stimulates tourism alongside resorts and tourist villages, and Nasser Abdel Aziz (2012) states that a resort or tourist village can be defined as a group of shelter structures built outside residential areas, providing residential suites and sports and cultural facilities.



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Tourist resorts at the beginning of the twentieth century and expanded with the increase in urbanization and the provision of infrastructure, as resorts are based near the natural landscape, and consist of separate or attached apartments or chalets in addition to hotels, while providing tourists with adequate services, and indicates that the resort or tourist village differs from the hotel in that it It is built on a large area sufficient for a larger number of buildings and places of entertainment, and it is established in places that are characterized by nature and picturesque views, and it includes accommodation, meals, sports, entertainment and shopping activities, and it is visited for the purpose of relaxation and recreation, so travelers prefer to spend a longer stay time in it, so the researcher considers it necessary Paying attention to heritage, preserving it, spreading its culture, and emphasizing the Arab identity by employing heritage motifs as a source for designing furniture in hotels and villages. Lively due to its importance in achieving this.

Discussing the results:

Through the previous results, it is clear to us that:

That the net value is equal to "0.529, which is not statistically significant, as the average grades of the control group's students in the pre-application according to the items of the questionnaire for the designs developed for the furnishings of tourist villages was 30.863", while the average scores of the experimental group students in the pre-application was 31,214, which indicates There were no differences between the control and experimental groups when teaching them to begin,



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which indicates the parity of the two groups. The AT value "is equal to 42.614, which is a statistically significant value at the level of 0.01, as the average scores of the female students in the experimental group in the post application was 116.466", while the average scores of the female students in the experimental group in the pre-application was 31.2145, indicating that there are real differences between the two applications in favor of the application The dimensionality of the experimental group, which indicates the effectiveness of the merging between the decorations of the Jizani heritage and Islamic art and the educational effectiveness of using the mental maps method in teaching the graduation project course for the female students to create contemporary designs. Tourism as a whole, which is a statistically significant value at the level of 0.01 in favor of the post application, where the average score of female students in the post application was 669,274, while the average score of female students in the pre-application was 30.863. In favor of the post application of the control group students: that the value is equal to 42,614 For the total questionnaire of contemporary designs for hotel furnishings and tourist villages as a whole, a value of statistical significance at the level of 0.01. In favor of the post application, where the average score of the female students in the post application was 116. 466, while the average score of female students in the pre-application was31,214.





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And in favor of the post application of the experimental group. . The net value is equal to

32.100 "the total of the newly developed designs questionnaire as a whole, which is a statistically significant value at the level of 0.01 for the benefit of the experimental group, where the average evaluation scores of the experimental group students in the post application was 466.116", while the average evaluation scores of the control group students in the post application was 69.274, Which indicates that the use of mind maps has had an effective effect on the educational process in teaching the graduation project course and the extent to which students benefit from it. By presenting the automated results of the research, it is clear to us that the use of the teaching strategy with mental maps has a clear and significant impact in achieving the objectives of the graduation project decision. The use of this strategy, along with the combination of heritage decorations, helped arrange the design data and develop a design idea for a group of furniture Various suitable for use in hotel and tourist villages furniture carpet, furnishing fabrics, curtain fabrics (hanging, and upholstery supplements) in a neat and organized manner and is characterized innovation, creativity, originality by and contemporaryat the same time.





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Recommendations:

1- Using the mind map strategy in other courses in the field of specialization and the need to provide students with cognitive, cognitive and innovative skills together.

2- The necessity of using other modern teaching strategies to improve the educational processin general and to help the faculty member in particular to reach the objectives of the course easily and easily and to help students remember and innovate.

3- Take advantage of integrating the different decorations of the heritage as a rich source for design innovation, contemporary designs for some souvenirs with a modern vision that can be implemented with simple techniques used to establish profitable small projects for youth, and help increase the national income of the community, and help to spread the culture of heritage and consolidate the Arab identity among members of societies.

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