

The development of contemporary design formulations for the fabrics of pendants derived from the creations of children with special needs

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• Summary:

As the people with special represent a large segment of the Egyptian society, including many models of excellence in science and sport, in the arts and in various fields, that the state considers them as a major part of the work force and an important component of the enormous human wealth within the Egyptian society. Egypt seeks to maximize the benefit within the framework of the president declaration in 2018 about special needs individuals, it affirms the interest in this category empowerment to have their rights by motivating, encouraging and supporting them by private sector and civil society associations. The state strategy for special needed persons takes a comprehensive perspective on the various institutional, legislative and developmental aspects. on the institutional side, the National council for special needed affairs was established in 2012 with respect to the rights and affairs of this priority group in the attention and care of various bodies and agencies. They are at the most need for creative educational methods to communicate with them and solve their problems. Arts put them in a state of integration and reflection and through which positive communication with them is a stimulant and catalyst their own abilities to work on achieving the demands and emphasize their creative abilities, and thus can be integrated into society as an effective human element and able to participate and respond to production and artistic creativity.

creativity is an interactive process not limited to the creator, it is also a characteristic of the recipient, especially the children with special needs who need someone to reveal their talents, accept it and deal with it respond with them, thus show the importance and necessity to find new ideas to revitalize and claim and develop their skills and their imaginative ideas of the traditional textile printing variability.

this research deals with the creation of print designs for textile pendants inspired by their artistic innovations using computer, to develop their skills and to give them an opportunity to understand and accept the creative language and visual artistic messages to integrate them in environment and society service.

- **The research problem:**

The research problem is to answer the following questions:

- 1- How can traditional textile printing techniques be used to develop the capabilities of people with special needs?
- 2- How to reveal the creative side of special needs people through artwork.

- **Research goals: The research aims to:**

- 1-To highlight the techniques of textile printing as a creative way for children with special needs.
- 2-The development of contemporary art solutions from creative design creations of special needs children for pendants.
- 3-Directing and intensifying researches to take care of the requirements of people with special needs and work on developing their capabilities.
- 4-The research aims at enriching and developing scientific research by contributing to the development of the capabilities of children with special needs.

- **Research hypotheses: The search assumes that:**

- 1-Textile printing techniques are effective in developing the creative capabilities and skills of people with special creative needs.
- 2-Innovate designs for pendants inspired by the work of people with special needs

- **Research Methodology**

The research follows the descriptive, experimental and applied approach because they are suitable to achieving research objectives.

Research limits:

Objective limitations: Including traditional textile printing techniques and the role of art in developing children with special needs capabilities.

Time Limits :2018

Age group: Children category of 10-14 years old.

Research sample 15 children

- **Research importance:**

- 1-How to give children with special needs an effective creative role to help them with their psychological and skills problems.
- 2- How to take advantage of various textile printing techniques and employ them to make pendants to improve the capabilities of special needs children, so they can creatively react with surrounding environment and society.

Key words:

Textile printing - Children with special needs – hanging

- **First: Textile printing techniques**

There are many different methods used in textile printing, these methods have evolved with human and technological development from manual methods to mechanical and modern technological methods, despite the huge technological development in the field of textile printing, the manual methods are important and have distinctive aesthetic values.

The techniques of printing traditional textiles have been used in the research:

- **Tie and dye:**

The process of tie and dyeing is one of the oldest methods used in textile decoration to create its own color effects, Textile printing is one of the easiest and cheapest ways to make colorful designs on fabrics. The basic stages of tie and then dyeing are: 1- Folding 2- Tie 3- Dyeing This method is characterized mainly by the acquisition of unique effects and the advantage of this method is also easy and low costs.

- **Fingerprint printing:**

The attention of hand-printing professionals are focused on the search for innovative creative areas, especially the use of natural fingerprints and manufactured fingerprints, Which are ready for use as a printing unit and full of types of Different touching and fine threads, deep and prominent in the form of units suitable for printing templates of different forms, because of the diversity of materials and surfaces and performance methods, it can contribute to the development of the skills of people with special needs through understanding and the environment and its uniqueness to take advantage of the work in the printing fingerprint.

Classification of raw materials used in fingerprint printing:

The materials used in fingerprint printing rely on two main sources:

- Fingerprints from natural sources:

It contains plant elements such as fruits, leaves, stems and animal elements such as skin, feathers, and natural elements such as (clay-gravel).

- Fingerprints from industrial sources:

It is an industrial raw material such as paper, cardboard, rubber, plastic, ropes, glass, wood, metal residues, etc.

- **Stencil Printing:**

The stencil printing method is also one of the oldest manual printing methods used in textile printing; the stencil printing method is also the method that mediates direct drawing on textiles and other printing methods, It is considered the previous stage of silk screen printing

- **Block printing:**

Block printing is one of the oldest and most important manual printing methods for its technical value and wide potential dyeing. Printing using blocks are cheaper and easier methods of manual printing.

- **Art therapy for people with special needs:**

Disability and the resulting disorders are one of the most severe challenges faced by the family and the society, so that the members of the society and specialized bodies are accountable to those who suffer from the disorder that impede their integration into society. The art became one of the most important methods a of treatment and development of their abilities, It can be emphasized that art in the early ages had a useful function because it meets the social needs of material and moral and also has the ability to show symbolic expression, which contributes to creativity and growth, and is an effective way to develop skills and ideas.

- **Special Needs Classifications:**

Individuals who suffer from disability due to different factors are usually referred to as persons with disabilities, But in recent years and to alleviate their condition, their name became people with special needs because they are individuals who need special requirements, but most of these requirements are the moral tenderness and social and psychological care and others in order to make them feel a kind of compatibility in their personality and thus the ability to adapt to other people, and People with special needs have multiple cases.

- **Class of study:**

1. Mental disability
- 2-hearing impairment Disability
- 3- Learning difficulties.
- 4-Speech and language disorders
- 5- Hyperactivity and distraction

Second: Textile printing techniques and its relation to the development of the skills of children with special needs:

"The interest in education and skills development are important issues for all categories of society, because of its importance, As it provides the opportunity for all human beings to get what they want in life and interact with life and access to equal opportunities, Even those who have difficulties in learning and social adaptation such as deaf and mute, blind, mentally and physically disabled, emotionally disturbed, can benefit from various technological means that help them to learn, and develop their different skills.

printing techniques used to print the experimental part in the research:

- **Fingerprints from natural sources.**

Printing of foliage

Print Handprint

Fingerprint from industrial sources

These are designs in which fingerprints of manufactured sources such as paper, cardboard, rubber, ropes and threads of various kinds, and their sizes,

- **Stencil:**

Is a printing technique that enables children with special needs to freely select and print items to explore their artistic potential, And?

- **Tie and Dye:**

One of the special features of this technique is the obtaining of many degrees and overlaps of color and the absence of repeated effects resulting from color interference, in each treatment, it introduces a new artistic sense that cannot be expected

Integration of some techniques:

In this research, some textile printing techniques have been integrated to give children with special needs a creative role to help them with their psychological and skill problems.

Third: Application Framework:

The researcher prepared her design collections by the computer, in the use of colors, the researcher took into consideration that the design gained a kind of coherence resulting from the color relationship of both the shape and the ground, In order to increase the movement of the eye and attract attention to the design in which the researcher dealt with "color, line and

shape", the researcher used some of the important computer programs: -Photoshop CS5 - Adobe Illustrator In creating creative designs inspired by the work of children with special needs and employing them in the fabric of pendants, It is distinguished by the fact that it offers a great opportunity for the designer to design the innovative design with a certain scale with control of the zoom and the rotation of the technical elements of the lines, colors, etc., "and repeat it so that the movement is expressed in the picture Which suits the required wording of the decorative design, and see many different proposals designs on the screen at the same time with the possibility of change and modification and delete and add quickly and easily, In addition, it technically offers many color tests for one design at super speed.

• Results:

Children with special needs are an important part of the Egyptian society. It is worth paying attention to them and making them participate in the process of development and creativity for a better society.

• Recommendations:

1. All educational and technical institutions of the State must support the disabled innovative capacities in order to contribute to the inclusion of children with disabilities.

Satisfying the needs of children with special needs, aesthetic and psychological, through participation in technical work to help them to include them into society and improve their creative abilities

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