

## **Visual communication and its influence on treatment of autism spectrum through designing woven printed hangings**

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### **Introduction:**

Visual communication is the process of receiving visual stimuli and giving meaning and explanation of our experiences.

The interest in children in any society is an interest in the future of this society as a family. Measured by the progress of societies and its progress by the extent of its interest in children and care and study their problems and work to solve them. Autism is a puzzle for many psychologists and education, so many recent studies have been interested in children with Autism severely affects the personality of the autistic child and his family. Autism spectrum disorder begins in early childhood, and art is of great importance in the life of the child, it is a great way to help the child to bring out his feelings and translate what is going on and convictions in an expressive form, art in all kinds is one of the most enjoyable means for the child and exciting for his childish instincts.

Therefore, artistic activities are one of the most important activities that are offered to children with autism because they help them develop their perceptual (tactile) and visual through the sense of color, line, distance, size and perception by touching the surfaces. Therefore, art therapy is one of the successful means in the treatment of various disorders experienced by many individuals with special needs.

### **Search problem: The problem is:**

1. Autistic children face many psychological problems due to the inability to communicate with others.
2. Visual communication and the role of plastic art in raising awareness and awareness of autistic children has not been adequately addressed in previous studies
3. Insufficient emphasis has been given to implicit groups assisting children with autism through printed textile suspensions

### **Research Objectives: The research aims to:**

1. Spotlight on autism and the spectrum of autism and the difference between them.
2. Studying the role of plastic art in designing a number of textile hangings as a tool for visual communication.
3. Study the visual communication in children with autism and the role of implicit groups in increasing the perception of autistic child

### **The importance of research: The importance of research is to:**

1. Strengthening the field of textile printing in general and printing textile hangings in particular with innovative designs resulting from the study of the implicit groups of
2. The implicit groups of autistic children contain many elements that can be utilized technically to create innovative designs of textile hangings that enrich the field of visual communication.

**Research Assumptions: The research assumes that:**

1. Attention to visual communication in children with autism results in increased awareness and awareness of autistic children significantly.
2. Designing print posters for children with autism enriches the field of visual communication and helps the autism specialist to develop the skills of the autistic child.

**Research Methodology:**

1. Descriptive and Analytical Approach: The study deals with visual communication and its usefulness and tools and various means of visual support as well as the study of autism and the spectrum of autism and how to create innovative designs of suspensions enrich the field of visual communication.
2. The experimental approach: deals with the innovative side of the work of experiments, studies and technical and applied solutions derived from the study.
3. Statistical Approach: The statistical method includes the study of the results of the survey that was done on the research sample that was presented to the design experiments to ensure the achievement of the objectives of the research.

**search limits:**

- 1 - time limits: includes the age group of children with autism from the age of 5 years to 12 years and the category of autism is a medium and simple level.
- 2 - Spatial limits: The study was taken and the implicit groups were taken from the "Start" Center for Child and Family Development in October.
- 3 - Objective limits: - Study of optical communication characteristics and types.  
- Study of autism and symptoms.  
- Studying the role of plastic art in the treatment of autism.

**Search tools:**

Arbitration form for designs and technical formulations proposed by specialists in the treatment of autism.

**Research axes:**

- 1- Visual communication and its importance.
- 2-Autism and autism spectrum
- 3- Visual communication and autistic child
- 4- Plastic Art and Autism Spectrum Treatment
- 5 - Design optical communication tool
- 6 - Create designs for textile suspensions inspired by the implicit groups of children with autism
- 7 - Statistical analysis to confirm the objectives of the research.

**Research results:**

- 1- The research presented a theoretical study on visual communication and a course in autism treatment. The research focused on the tools of visual support and the role of design as a visual communication tool that can transmit a lot of visual information without verbal communication.

- 2 - The research showed that plastic art has an active and positive role to contribute to the treatment of the spectrum of autism and the development of awareness of autistic child and help increase communication with others.
- 3 - The research pointed to the role of implicit groups of children with autism in trying to identify the world around the child and linking things and actions each other and trying to communicate effectively through these implicit groups.
- 4-The research presented 6 innovative designs of textile suspensions and inspired by implicit groups where they can be used in places of autism child frequency to confirm the role of visual communication in the child and help increase attention and perception.

### Recommendations:

- 1 - Increasing interest in the study of plastic art and a course in the treatment of children with autism to develop their visual communication.
- 2 - the need to pay attention to children with special needs in general and children with autism in particular to communicate positively in the community.
- 3 - Attempt to prepare qualified elites of art specialists to work in the field of autism to develop awareness and artistic sense of children with autism.
- 4 - The need to create new implied groups to keep pace with the developments and technology of the modern era, and to develop the awareness and awareness of autistic children of the requirements of the times.

### The following is a presentation an example design:



**References:**

- Mlegy, amal abd elsamea,"Etrabat Etawasol Wa Alagha", maktabet elaglo elmasraya, elkahera,2000.
- Elagar, Sleem Ahmed,"Eltawahod wa Etrabat Elselok" dar elmashrek elthakafy, elordon,2006.
- Shawky, Esmael,"Elfan Wa Eltasmeem",2005.
- Zahran, Hamed Abd Elsalam,"Eltawgeh Wa Elershad Alnafsy"matbaat alam elkotob, elkahera.
- Hamza, Gamal Moktar."Elfrook Elfardaya Wa Eltakweem Elnafsy "Kolyet Read Elatfal. Gamet Elkahera. Horas lltabaa wa elnashr 2004
- Mostafa, Dena."Elelag Belfan "Elkahera, mktabet elanglo elmasrea,2010.
- Elabady, Raed Kalil."Eltwahod"Maktab Elmagtaa Elaraby llnasher wa eltawzeaa.2006.
- Bahman, Refeat Mahmoud."Elatfal Eltawahodeen "alam Elkotob. Elkahera .2007.
- Farag, Afaf Ahmed Farag."Elfan Wa Zawy Elahtyagat Elkasa"Elanglo Elmasrya .2004.
- Abd Elhaleem, FathElbab."ElTasmeem Fe Elfan Eltashkely"Alam Elkotob. Elkahera .2001.
- Abd Elaziz, Mostafa Mohamed."Psychologet Eltabeer elfany and Elatfal" Elkahera, maktabet Elanglo Elmasrea .1999.
- Abo Elsood, Nadia Ebrahim"Eltafl Eltawahody FE Elosra "Elmaktab Elelmy llnasher Wa Eltawzea. Elkahera .2000.
- ElShmy, wafaa Aly,"Elage Eltawahod"Markaz gada lltawahod, gada:2004
- Daroza, Afnan Nazir,"Estratigit Eladrak Wa Monashitatha"Dar Esherok, lltppa wa elnashr, Amann, Elordon.2004.
- Elkority, Abdelmoteleb,"Matkal Ela Psychologet Resom Elatfal". Elkahera.Dar elfekr elaraby2001.
- Louis, Ann. "Talim Momyz lltatfal zwy Elahtyagat Elkasa "Mogmoat Elnil elarabia. Elkahra .2008.
- Hassan, Mostafa Mohamed Abdelaziz"Psycologet Eltabeer Elfany End Elatfal"Maktabet Elanglo.Elkahra.
- Elkority, Abd Elmotleb Amin."Modkal Ela Psychologyet Rosom Elatfal"Dar Elfkr Elaraby. Elkahera 2001.
- Hanafy, Rania Mohamed Nematala."Faelet Tasmem Tabaet Akmeshet Taases Elhagrat Ltanmet Elselok Elegtmaay lltatfal Eltawahodeen"resale doctora. kolet elfenon eltatbikya .2017.
- Abd Elhalem, Mohamed:"Mada Faelet bernameg Tadrey Fe Tanmeet Eltawsol Elegtemaey lla Elatfal Elzatoeen"resalt doctora. mahad elderasat elolya lltofola. gamet aeen shams.2011.
- Ameer, Seham Badr Eldeen."Eladrak Elbasary Llon Wa Elshakl Wa Alakto Bkasaes Rosom Elatfal MN 4-8 sanawat". Kolet Eltarbya Elfania. Gamet Helwan .2000.
- Badr, Esmaeil Mohmoud"Mada Faelet Elelag Blhayat Elyamya Fe Tahseen Halat Elatfal zoey Eltawahod". Elmotamar ELrabea Lmarkaz Elarshad Elnafsy. Kolet Eltarbea. gamet ean shams.
- Farahat, Hadeel Mohamed.Nadwa Beonwan" Elelag Belon" kolet elfenon eltatbikya.18/3/2013.
- Wood, Tsheb."Mayeer nomo Elatfal"mogalet eltofolo elarabeya. elkweet .2008
- Bedawood, Hussen."Elasalek Elmarefea llsora Elbasarya "maglet derasat wa bohas. Elgazayer.2014.

- Mansour, Aly Wa Akaroon "Psycologet Eladrak" Mashorat Gamet Deneshk.1996  
nabyl, rsha 'ahmad " tknwlwjya altiqnayat albsryt wa'athariha ely tatawur aljidarayat almeasr"  
majalat aleamarat walfunun waleulum al'iinsaniat aledd14
- 33-Stauart, Macdonald."the History and philosophy of art education". university of London  
press. london 1970.
- 34-Arnheim, Rudolf."Art and visual perception a psychology of creative eye". university of  
California press. U.S.A.2004.
- 35-David ,W.Baker."toward a sensible education "Inquiring into the role of the visual arts in  
early childhood education .paper presented at the conference o making meaning through art  
.Urbana .1992.
- 36-Gregory Feist and Erika Rosenberg,"Psychology Making Connections "McGraw.Hill.  
colombus.2009.
- 37-Porter, T."A taste for colour". the architecture .1997.
- 38- Dan, J. Rothwell, In the company of others, "An introduction to communication", New  
York: Oxford University Press. 2010
- 39-<https://ar.wikipedia.org/wiki/%D8%B> (8-2-2019)
- 40-<https://www.edrawsoft.com/benefits-of-visual-communication.php> (15-2-2019)
- 41-<https://www.mayoclinic.org/ar/diseases-conditions/autism-spectrum-disorder>(27-2-2019)
- 42-<https://mawdoo3.com/%D8%A7> (3-3-2019)
- 43-<https://www.dailymedicalinfo.com/view-article/-/>(10-3-2019)
- 44-[https://ar-ar.facebook.com/permalink.php?story\\_fbid](https://ar-ar.facebook.com/permalink.php?story_fbid)(20-3-2019)
- 45-<https://www.hespress.com/sciences-nature/> (7-4-2019)
- 46-<https://www.researchgate.net/publication/265033580> (15-4-2019)
- 47-<https://www.autism.org.uk/about/strategies/visual-supports.aspx> (23-4-2019)
- 48-<https://autismawarenesscentre.com/visual-supports-best-way-use/>(6-5-2019)
- 49-<https://www.autismparentingmagazine.com/benefits-of-autism-visual-supports>(20-5-2019)
- 50-<https://kayf.co> للإرشاد-النفسي-للأطفال-بالتوحد (27-5-2019)
- 51-<https://platform.almanhal.com/Files/2/81401>(10-6-2019)
- 52-<https://www.facebook.com/autismgofran/posts/>(23-6-2019)
- 53-<http://www.ibrahimrashidacademy.net/2017/07/blog-post.html>(30-6-2019)
- 54-<http://motawahdon.blogspot.com/2013/02/blog-post>(10-7-2019)
- 55-<https://www.facebook.com/trainermohammed.sedky/posts/580942968727329>(15-7-2019)
- 60-<http://www.ibrahimrashidacademy.net/2017/07/blog-post.html>(23-7-2019)
- 61-<https://www.facebook.com/Son.Rise2014/posts/1631846043697250/>(28-7-2019)
- 60-<https://www.kalamee.com/%D>(2-8-2019)
- [https://ar.wikipedia.org/wiki/%D8%B63-](https://ar.wikipedia.org/wiki/%D8%B63)
- 65- <https://weziwezi.com/%D8%A3%D8%AF%D9%88%D8>(5-8-2019)
- 66-<https://autismawarenesscentre.com/visual-supports-best-way-use/>(8-8-2019)
- 68-<http://card.ufl.edu/resources/visual-supports/howtostart/>(12-8-2019)
- 69-<http://www.icommunicatetherapy.com/child-speech-language/autism-spectrum-disorder>  
(15-8-2019)