



SCHOOLING SOLUTIONS FOR INCLUSIVE EDUCATION

RESEARCH AND EVIDENCE BASED
ALIGNED WITH NEP 2020



ART & DESIGN

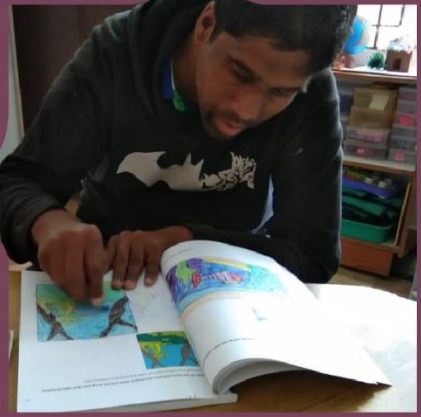
A FUSION OF CO- CURRICULAR AND ACTIVITY-BASED BOOKS



www.aims.media/Art&Design



“TRIED, TESTED AND TRUSTED ACTIVITY -BASED BOOKS ARE MAKING SCHOOL EDUCATION MORE ENLIGHTENING, EXPERIENTIAL AND EFFECTIVE”



This report summarizes the educational status of children with learning challenges and special needs in India, along with an overview of well-tested tools and effective learning methods to address such challenges & enhance functional skills, and promote inclusive education in pre primary to elementary schooling. The report will also help in understanding the response and opinion of various stakeholders including teachers, students, parents and head of institutions using Art & Design along with real-time statistical representation of learning outcomes in various schools. The details included in the document are evidence based and brought from authoritative sources.



EDUCATIONAL STATUS OF CHILDREN WITH DISABILITIES

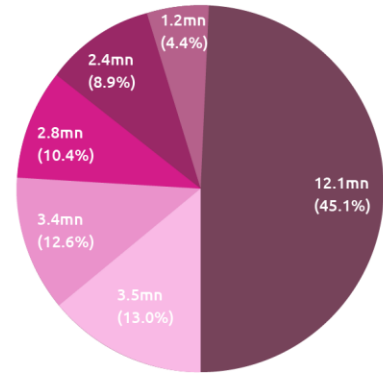
There are more than 200 million school aged children in India and out of these approximately 20 million require special education (NSSO 2002).

While the national average of enrolment in school is over 90%, less than 5% of children with disability are enrolled in schools. About 40% of the schools are not able to complete the first 5 years of their basic education, while another 20% leave school prior to the completion of three years of free and compulsory education mandated by our Constitution.

In addition to this, some surveys from Census 11 and District information of education, 2015-2016 also highlighting this problem.

FIGURE 1

45% OF INDIANS WITH SPECIAL NEEDS ARE ILLITERATE



EDUCATION

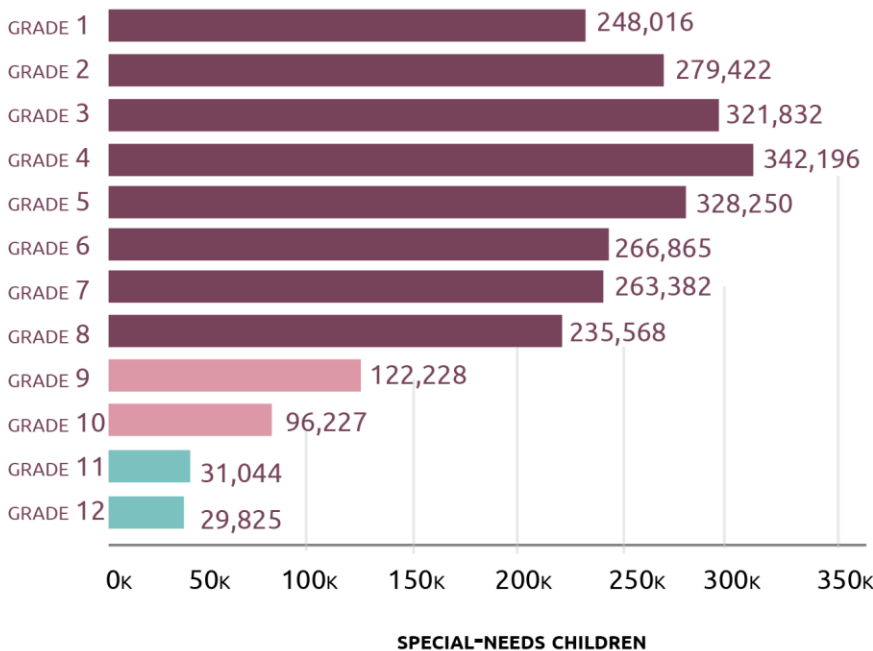
- ILLITERATE
- PRIMARY BUT BELOW MIDDLE
- MATRIC/SECONDARY BUT BELOW GRADUATE
- LITERATE BUT BELOW PRIMARY
- MIDDLE BUT BELOW MATRIC/SECONDARY
- GRADUATE AND ABOVE

SOURCE: 2011 CENSUS

NOTE: THE CATEGORY LABELS DEPICTED HERE ARE THOSE USED IN THE SOURCE DOCUMENT.

FIGURE 2

89% SCHOOL-GOING CHILDREN WITH SPECIAL-NEEDS ARE IN ELEMENTARY SCHOOL, 2% IN HIGHER SCHOOL



EDUCATION LEVELS

- ELEMENTARY
- SECONDARY
- HIGHER SECONDARY

SOURCE: DISTRICT INFORMATION SYSTEM FOR EDUCATION, 2015-2016

NOTE: THE CATEGORY LABELS DEPICTED HERE ARE THOSE USED IN THE SOURCE DOCUMENT.





FIGURE 3

PERCENTAGE OF CHILDREN BETWEEN 5 AND 19 BY EDUCATION STATUS AND DISABILITY TYPE

- ATTENDING EDUCATIONAL INSTITUTIONS
- CURRENTLY NOT ATTENDING AN EDUCATIONAL INSTITUTION BUT ATTENDED EARLIER
- NEVER ATTENDED AN EDUCATIONAL INSTITUTION

SOURCE: 2011 CENSUS

NOTE: THE CATEGORY LABELS DEPICTED HERE ARE THOSE USED IN THE SOURCE DOCUMENT.



BARRIERS TO INCLUSIVE EDUCATION

It is observed that the existing schooling system is still lagging behind in implementing a fully inclusive education model and there is a need for simple and need-based learning tools to transform conventional education for children with learning and developmental challenges. Further, the statistics says that dropout ratio of persons with disabilities from schools is very large and it may occur due to various reasons like lack of accessibility, awareness, inadequate educators, poor infrastructure, classroom management challenges, absence of required aids and assistive technologies - but most and above all, some of the major reasons for students with intellectual, learning and developmental challenges are the lack of interest of the students in the classroom, lack of uniformity & flexibility in the present curricula, absence of syncretism of curriculum with mainstream education, inefficient pedagogical solutions and lack of unbiased assessment tools. However, to overcome this problem, cross-curricular integration or cross-curricular pedagogy can play an important role.





INCLUSIVE EDUCATION SOLUTION

Cross-curricular integration makes the learning process easy and simple by making education interesting, innovative and interactive and encourages students to be more engaged in the classroom. Cross-curricular or integrated instruction between content areas helps students to see topics as interdependent and connected rather than individual, isolated subjects. Integrated instruction empowers students to achieve higher levels of critical thinking while also developing their collaboration skills. It is a fundamental way of teaching concepts in the context of multiple subjects simultaneously. For example, pictures or illustrations are used in early intervention to teach an alphabet, similarly science subjects are taught through diagrammatic subjects in early education. As per research, it is observed that children with special needs can be classified as Visual Learners, Auditory Learners and Kinesthetic Learners. Especially in the case of a person with intellectual, developmental and learning challenges, they express their ideas better through visual presentation. Cross-curricular integration helps children retain information and encourages them to be independent and inquisitive learners.

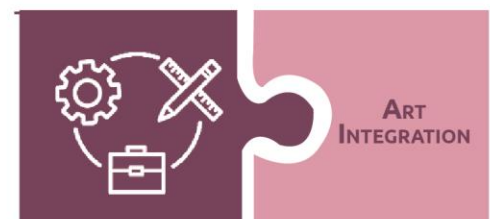
Keeping this concept of cross-curricular integration in mind, subjects such as painting, computer science, mass-communication, multimedia and data-entry operations are practiced by converting "Art & Design" books into pictorial, illustration and activity-based books. These books and their implementation process are designed as per the need, ability and interest of the students. This concept helps to overcome the challenges and difficulties faced by students with special abilities and learning difficulties.



HOW SOURADEEP FROM KOLKATA DEVELOPED HIS INTEREST IN ART

From his zero interest to full participation in art activities reflects how Art & Design classes which implemented in Manovikas Kendra, Kolkata helps him to realize that art is not all about coloring. Teacher's constant encouragement work as a self confidence booster and he found his way to do art, to make, to build things on its own. Even with less number of vocabulary to express he always say "good "to the classes.

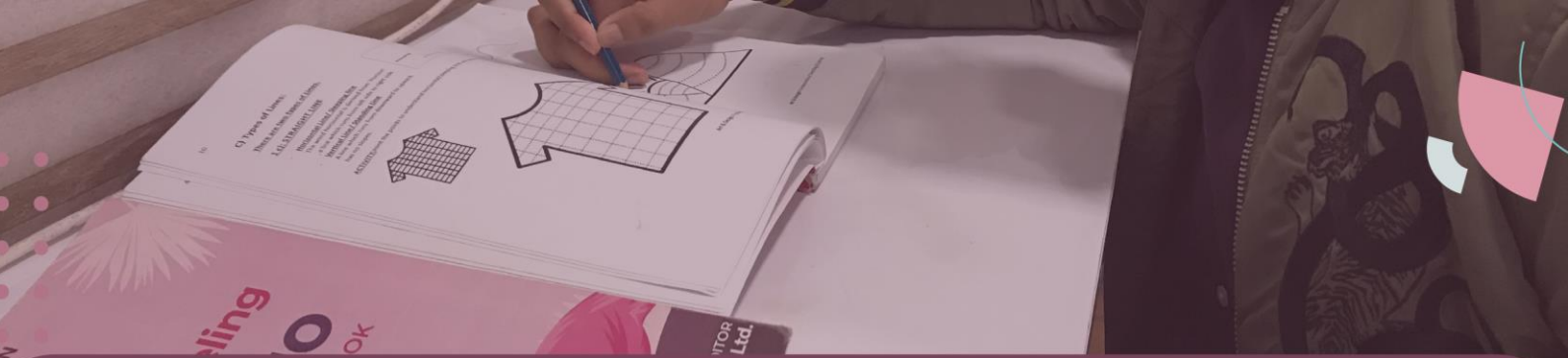
SOLUTION FOR INDIVIDUAL WITH INTELLECTUAL, DEVELOPMENTAL AND LEARNING CHALLENGES



ART & DESIGN

FUSION OF CO-CURRICULAR AND
ACTIVITY-BASED BOOKS

Art & Design consists of nine individual plus synched level books, designed to offer constructive, structured, innovative and creative learning solutions which help to achieve academic, vocational and therapeutic goals keeping in mind different age groups, difficulties, abilities and challenges of an individual. It entails a simplified implementation and execution process which has successfully been able to add value to the constructive school education and enhancing students' interest towards academic and non-academic learning.



BACKGROUND

AIMS Media, an education solutions, advocacy and consulting organization working with various institutions in India and abroad for more than a decade, has found from its experience that India still lacks in inclusive education and mainstream education for students with special needs and learning challenges. It has been observed that more than 95% of students with challenges and difficulties do not reach secondary education and are unable to keep pace with mainstream education despite flexible education policies, mostly because of their low intelligence and developmental delay, due to which the number drops steadily after primary education. Further, it is observed that for such students there are very few and limited educational activities in the classroom, lack of systematic academic curriculum, inappropriate pedagogy and learning is confined within daily life-skills, which gradually reduces the interest in learning. Ultimately, elementary education misses out on basic development, and this leaves students in the lurch due to low self-confidence and poor academic knowledge.

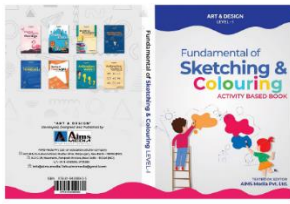
Keeping this major problem in mind, Art & Design after five years of continuous nationwide research is designed and developed by a team of various subject-master, educational psychologist and proficient educationist, which includes cross-curricular integration, national education policy, inclusive classroom, and five subjects of mainstream education were taken into account. The subjects like Multimedia and Web Technology, Digital Painting, Computer Science, Data Entry and Mass Communication in 9 different levels of Art & Design books were converted into illustrated form and finally made into activity based books. After these books were developed, they were put to the test in a variety of special schools, integrated schools and inclusive/mainstream schools with different groups of students with learning, intellectual and developmental challenges. These books give tremendous results and impact in enhancing the cognitive ability, creative thinking and functional skills of the children as well as assist in holistic development. It facilitates the child to learn with fun and fulfills the need to participate effectively in school education.

ART & DESIGN FOR BETTER
AND EFFECTIVE SCHOOLING OF
STUDENTS WITH
INTELLECTUAL, DEVELOPMENTAL
AND LEARNING DIFFICULTIES

OBJECTIVES

- To enhance learning interest
- To make education easy, simple and interactive
- To meet the academic needs and goals of school and student
- To boost creativity, logical thinking, analytical and problem-solving skills
- To increase indulgence of co-curricular & extra-curricular activities
- To stimulate brain through innovative activities
- To promote students ready for mainstream / inclusive education

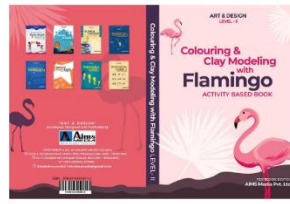
ART & DESIGN BOOKS AT A GLANCE



Level 1- Fundamentals of Sketching & Colouring

ISBN- 978-81-943989-0-5

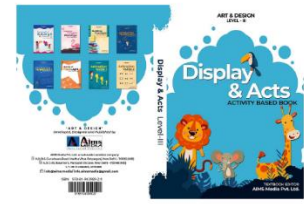
Highlight the creative/ artistic skills, it contains activities which will help in learning basic fundamentals of Sketching and Coloring.



Level 2- Colouring and Clay Modelling with Flamingo

ISBN- 978-81-943989-1-2

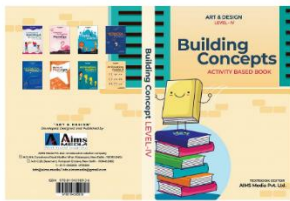
It is outlined to enhance artistic sense and creative skills by multiple activities like imitation, learn the technique to draw with both the hands for stimulating brain.



Level 3- Displays & Acts

ISBN- 978-81-943989-2-9

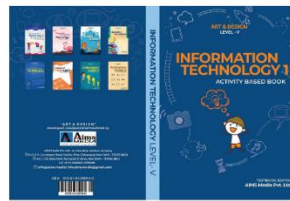
It is outlined to learn multiple tones of colors and their physical variables, to create a sense of using colors and help in sorting the difference and assembling the structure in an appropriate manner.



Level 4- Building Concepts

ISBN-978-81-943989-3-6

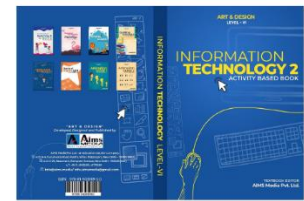
It is outlined the activities which has a different pedagogy to build the concepts which are essential for the acting/skits/mimesis apart from developing scripts.



Level 5- Information Technology 1

ISBN-978-81-943989-4-3

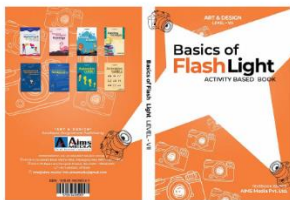
The chapters have been outlined to deliver the knowledge about the granular computing basics which is useful in understanding multiple functions, inbuilt software to enhance the technical, comprehensive, cognitive, perpetual skills



Level 6- Information Technology 2

ISBN-978-81-943989-5-0

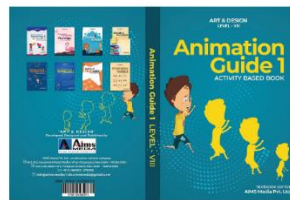
It contains chapters which help in evaluating the typing skills and learn different software to depict the art in the new way i.e. digitally and enhance the technical skills, eye hand coordination, cognitive skills, conceptual learning and engrossment skills.



Level 7- Basics of Flash Light

ISBN-978-81-943989-6-7

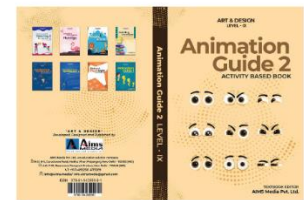
It is outlined to make the students learn what is the camera interface and technicalities to operate the device. In the different chapters multiple techniques, sense, ideas and methods are taught to understand the depth and uniqueness of learning photography.



Level 8- Animation Guide

ISBN-978-81-943989-7-4

It is outlined the activities would help to learn the techniques and methods to give motion to your depicted characters and objects.



Level 9- Animation Guide 2

ISBN-978-81-943989-8-1

It comprise of the most simplest but interesting and profound concepts, methods and techniques of one of the animation. The outlined activities will help to remember the methods and techniques in the easiest form to refine the performance.

The first of its kind and revolutionary approach of Art & Design as a co-curricular/extra-curricular subject has been implemented in schools across India with many students and helps students to enhance their functional and academic skills which leads to classroom participation as well as promotes learning with a multidimensional approach.



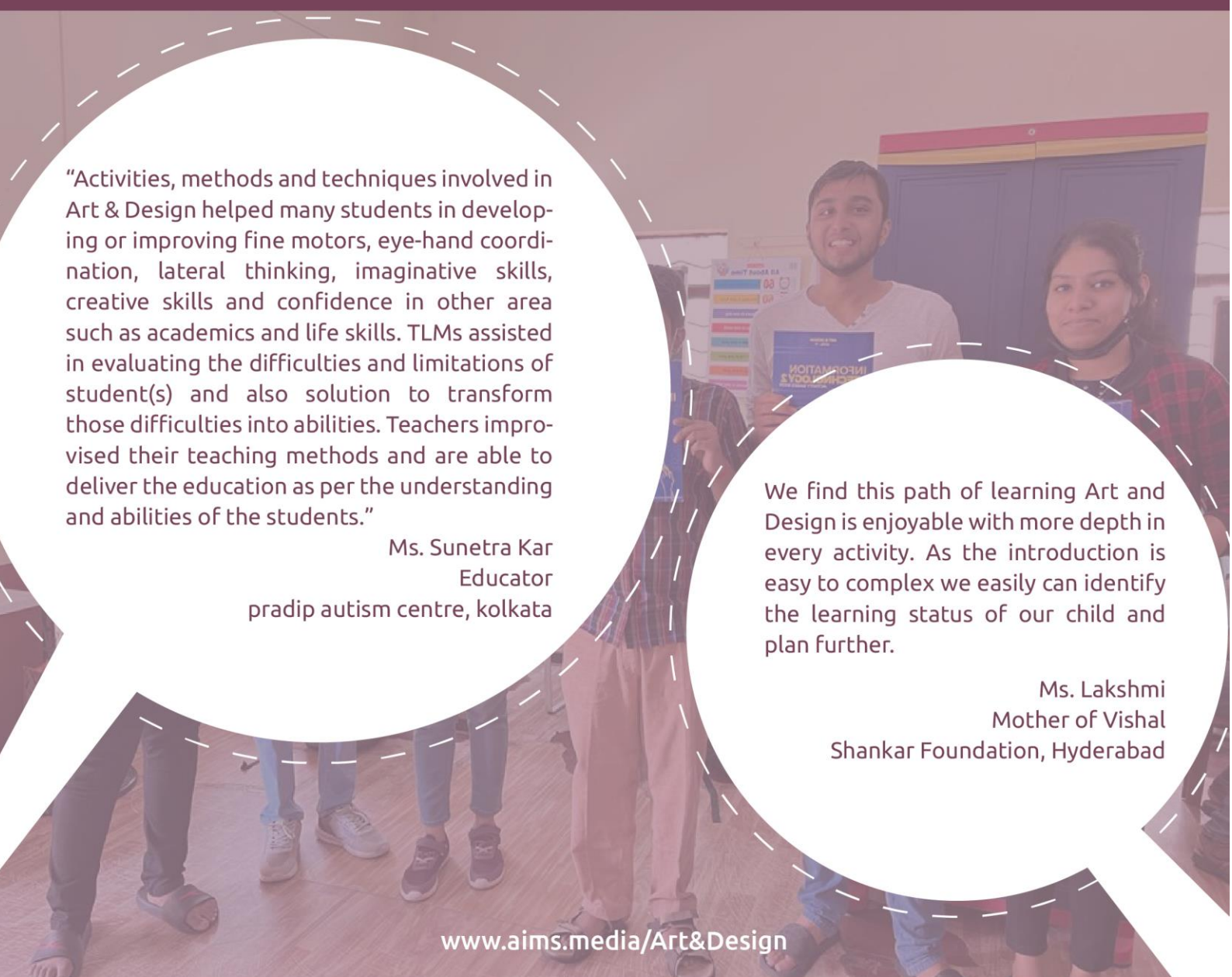
ALIGN WITH NEP 2020

- Ensure inclusive and equitable quality of education and promote lifelong opportunities for all.
- Reflects range of pedagogies
- Applied as skill building, extra-curricular or co-curricular subject in school academic system.
- Gives exposure to vocational education and given to learners at a very young age.
- Cross-curricular pedagogical approach to make learning easy, simple and interesting.

NEP
2020



All the nine different levels of Art & Design follow cross-curricular pedagogical approach and are aligned with NEP 2020 and its execution process is coordinated with the school education system.



“Activities, methods and techniques involved in Art & Design helped many students in developing or improving fine motors, eye-hand coordination, lateral thinking, imaginative skills, creative skills and confidence in other area such as academics and life skills. TLMs assisted in evaluating the difficulties and limitations of student(s) and also solution to transform those difficulties into abilities. Teachers improvised their teaching methods and are able to deliver the education as per the understanding and abilities of the students.”

Ms. Sunetra Kar
Educator
pradip autism centre, kolkata

We find this path of learning Art and Design is enjoyable with more depth in every activity. As the introduction is easy to complex we easily can identify the learning status of our child and plan further.

Ms. Lakshmi
Mother of Vishal
Shankar Foundation, Hyderabad



INTRODUCED CROSS-CURRICULAR INTEGRATION OF ART & DESIGN TO OVER 650 INSTITUTIONS IN INDIA

Art & Design reached out to several academicians, special educators, policy makers, heads of institutions, school teachers and other stakeholders from over 650 institutions across India and shared its cross-curricular practice and other valuable knowledge through various workshops, conferences, virtual/in-person presentations and other communication links.

HOW ART & DESIGN INCREASES SWASTIK'S SKILLS

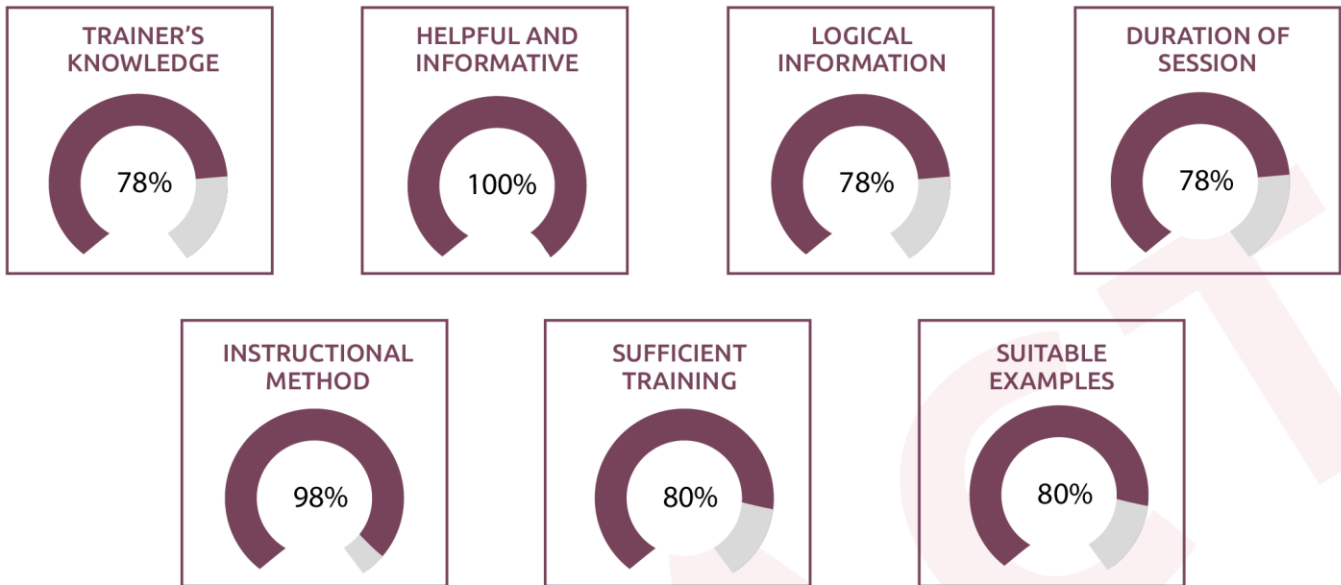
Swastik Chattopadhyay from Kolkata, a boy who found difficulties in doing activities now developed his keen interest in paper cutting, paper folding, drawing, clay modelling, sequencing etc. These activities improve his motor skills and he is more attentive in class too.

Overall assessment helps him in improving holistically and in course of time he will develop himself more.

STATISTICAL REPRESENTATION

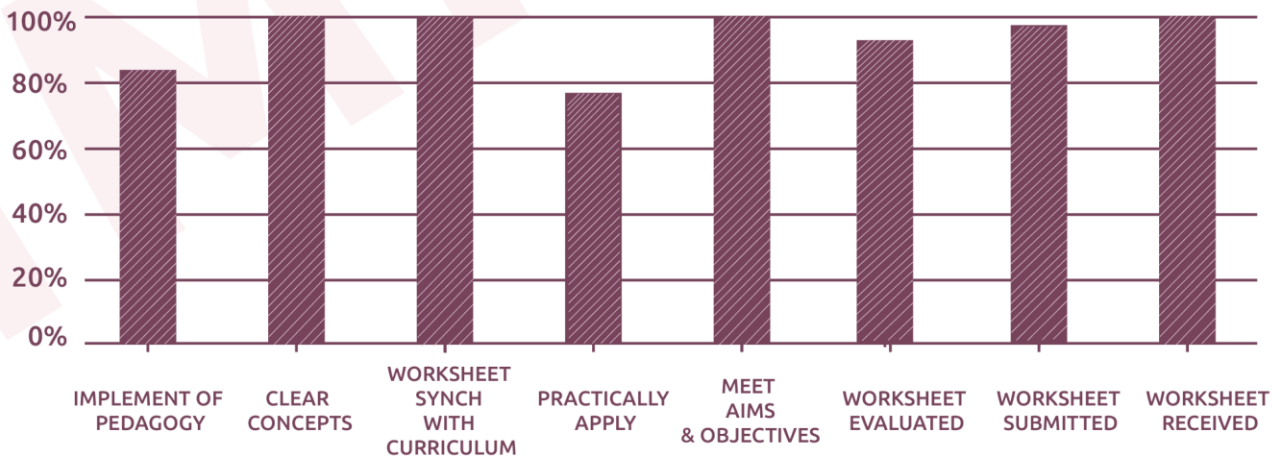
The series of tactile and creative learning-based education books certainly adds value to the learning-curve and ongoing academic system at K-8 Schools, Special Schools and SEN Units. The given statistical representation shows the real learning outcomes of continuous capacity building for teachers and special educators by Art & Design subject-master while implementing the books.

TRAINING CONTENT AND ITS IMPACT



INDICATORS OF EFFECTIVE TRAINING

POST TRAINING OUTCOMES

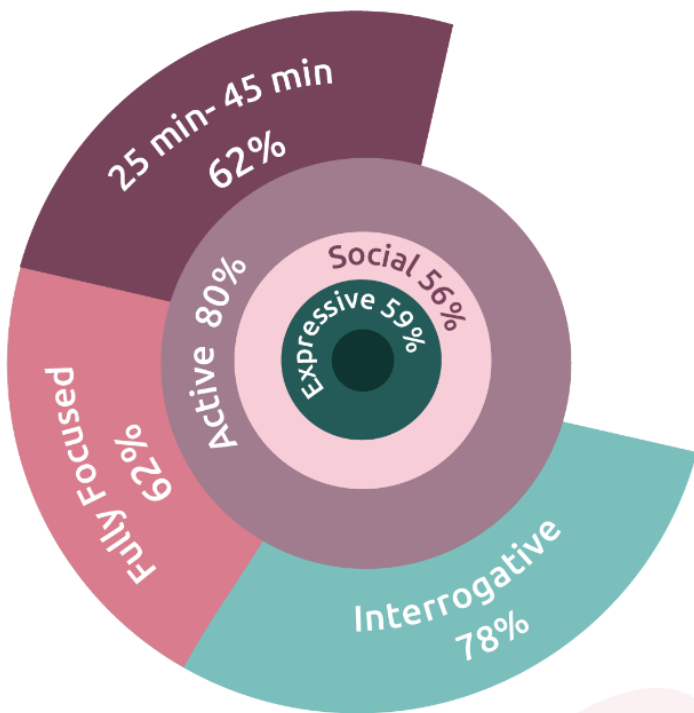


INDICATORS OF EDUCATIONAL ACHIEVEMENT

STATISTICAL REPORT: STUDENTS OUTCOME

An economically viable and inclusive education practice of Art & Design helps in building teacher capacity, accelerates the progress of schools and fosters a genuine sense of inclusion by preparing students for mainstream primary and secondary education. The given graphical representation depicts how Art & Design help students across India in different geographical conditions and different forms of institutions in achieving their learning goals by enhancing their co-scholastic and scholastic areas.

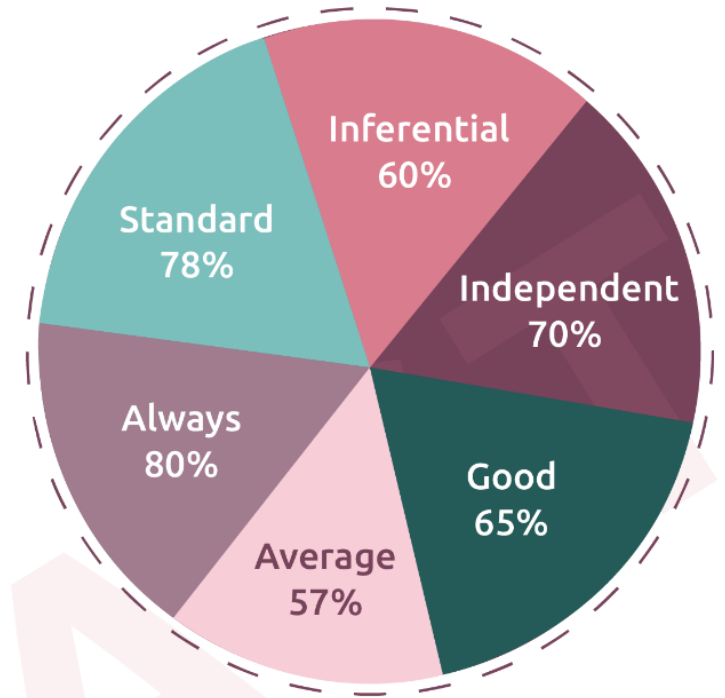
CO-SCHOLASTIC AREAS



PERSONAL ATTRIBUTES

- ATTENTION SPAN (DURING CLASS ACTIVITY)
- ENGROSSMENT
- COHERENT
- PARTICIPATION
- INTERPERSONAL BEHAVIOUR
- INDICATE EMOTIONS

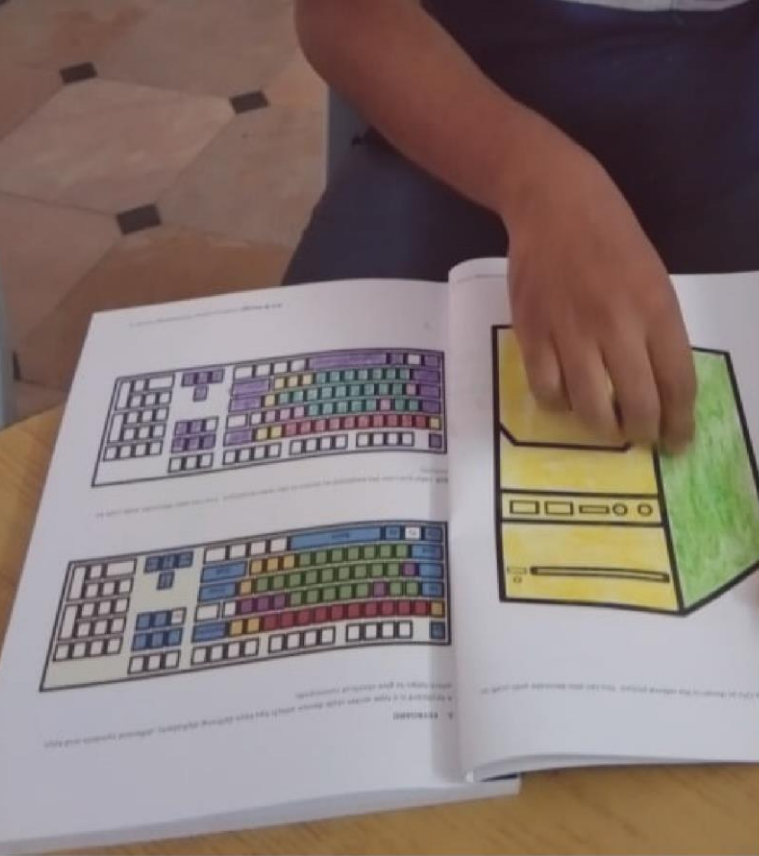
SCHOLASTIC AREAS



ACADEMIC ATTRIBUTES

- CUE USED
- COMPREHENSION
- CURIOSITY & IMAGINATION
- CONCEPT EXECUTION & PRESENTATION
- CRITICAL THINKING & PROBLEM SOLVING
- WORK ACCURACY

The results reflected in this image represent the actual experience of the end users and participating schools of Art & Design located in West Bengal, Karnataka, Tamil Nadu and Telangana.



KEENNESS TO LEARN

HOW ART & DESIGN CHANGE KABIR'S LIFE

Kabir is a 16 years old ASD child from Bengaluru. His attention span is short but after joining Art & Design classes he improved his cognitive as well as his non-cognitive skills too. He also enhanced his capability to learn & grasp things under their guidance. He also refined his ability to identify a suitable color after analysing and understanding it where he knows how to use, when to use, where to use any particular color.

ART & DESIGN IMPLEMENTATION PROCESS MAKES IT UNIQUE AND DIFFERENT

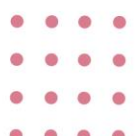
- Understanding the School Academic System
- Internal Audit and Synchronization of Books
- Allocation of Books as per Classroom Goals & Objectives
- Lesson and Syllabus Distribution Plan as per Academic Plan of School
- Continuous Capacity Building to Class in-charge and Teacher
- Design and Development of Customized Worksheets as per Individual Education Plan
- Periodic Tests and Progress Evaluation of Students as per the Examination Pattern of the School
- Regular Monitoring and Monthly Follow-Up with School Teachers
- Assessment of Learning Outcomes and Services Implemented
- Annual Review Meeting and Development of Customized Edition for Upcoming Academic Session
- Certification for all Learners

VALUE ADDED SERVICES

- Uniform – Lesson Plans
- Syllabus Distribution Plan
- Teacher Training
- Unbiased Monitoring
- Effective Mentoring
- Customized Worksheets
- Teacher Learning Materials
- A Range of Pedagogical Solutions
- Certification



THE MILESTONES, CORE VALUES AND CROSS-CURRICULUM INTEGRATION OF ART & DESIGN COMPLEMENT ON-GOING CLASSROOM LEARNING, HELP STUDENTS TO CONNECT WITH NEW-AGE SKILLS AND DEVELOP HOLISTICALLY.





EFFECTIVE DEVELOPMENT OF STUDENTS FROM THE SCHOOL OF TAMIL NADU

Pssb students show improvement in various skills after joining Art&Design classes. As they refine their learning skills and motor skills some students have shown improvement in behavioural issues and their attention span increases too.

“AN ACTIVITY BASED BOOK ENHANCES XAVIER SKILLS”

Xavier is a 18 yrs old SLD child from Bengaluru studying in Vimarsha Charitable Trust. He has shown a lot of improvement after attending Art & Design classes.He is able to sequencing the story format in order or any other activities within the stipulated time.Now, he is actively involved in classroom activities and always ready to guide his friends .A better grip with scissors' cutting task reflects the refinement of his motor skills .Along with all these he is showing improvement in sentence formation and verbal skills too.

My son Deep Chowdhury is a student in your art class. This art class is extremely beneficial for him as he has conceptual problems. After attending art class, he has improved his drawing skill although he is picking up slowly. Tearing and pasting colored papers is also very much needed as you taught.

Bhaskar Chaudhury
Father of Deep Chowdhury
Manovikas Kendra, Kolkata



USERS RESPONSE

A VALUABLE ADDITION TO CURRICULUM

HOW ART & DESIGN IS A FUN AND LEARN SUBJECT
AT VIMARSHA CHARITABLE TRUST, BENGALURU

We introduced Art & Design to the students of Vimarsha in June 2022. The course curriculum is very well planned and structured to cater to different levels. The books are standardised while the worksheets are flexible. This works very well for students with varied abilities. Based on our students' aptitude, we started with levels 3, 4, 5 and 6. We have been able to easily integrate this subject into our system. Children have shown tremendous improvement in concentration and hand-eye coordination. This has been a valuable addition to our curriculum. We are very happy to see all our students benefit and enjoy this coursework. AIMS Media coordinator worked along with Vimarsha teachers to arrive at workable time table. Lessons are very simple and visually appealing. The periodic assessments are also very well planned. Art & Design is truly a fun and learn subject for our students.

Janhavi Lakshminarayan
Founder, trustee
Vimarsha Charitable Trust

ART IS A BEAUTIFUL WAY OF EXPRESSION

HOW ART & DESIGN PROVIDING DIFFERENT
EXPERIENCE TO THE WORLD OF ART
AT SHANKAR FOUNDATION, HYDERABAD

At Shankar Foundation we always believe that art is a beautiful way of expression. We have been working with the concept since many years. But AIMS Media's Art & Design course added more meaning to our belief. The course stimulated creativity and stimulation. It is providing different experience and special way of understanding and responding to the world of art. What I have observed is children are able to follow balance, pattern, rhythm, emphasis with the systematic training and techniques. Thanks to AIMS Media for creating learning opportunities in most meaningful way.

Sridevi
Founder
Shankar Foundation, Hyderabad



“IMPACT OF VISUAL BASED LEARNING CONCEPTS AND STANDARDIZED CURRICULUMS”

“Co-curricular activities, visual based learning concepts and standardized curriculums and lesson plans of Art & Design, had impacted the students and educators and propelled them to self-introspect so to apply the conceived learning or teaching by evaluating their own real potential and beyond. Empirical evidence in regards to personalized solutions seemed very fruitful and was as promising.

Dr. Amrita Panda
Educationalist, Rehab Professional and
Founder
Deepranjani Foundation, Kolkata



“UNIQUENESS OF THE SUBJECTS MOTIVATES STUDENTS TO LEARN MORE”

“Art & Design helped our students in many different ways in terms of behaviour, functional areas etc. Uniqueness of the subject which motivated and kept our students and educators indulged into it was customization of worksheets as per the ability of the individual(s). The method to learn and perform the activities was very much simplified which resulted into progress in the bars of performance in the report card of many students.”

Mrs. Rina Patra
Head of Academics,
Pradip Centre for Autism Management



“AN OPTIMUM BENEFITS FROM ART & DESIGN”

The thought behind implementing Art & Design was to develop their creativity, reasoning, and overall cognitive development. The students are enjoying the class. They are learning the concepts joyfully. Some of the students are facing problem as it is in virtual mode. To obtain an optimum benefit, the program should have been implemented for all which unfortunately was not possible in a pandemic. The teachers benefit from the monthly training and there is a scope for interaction to resolve the issues that the students are facing. As per students' needs, how to modify the worksheets as per students' needs are shared by the teachers and accordingly, the worksheets are developed. The teachers are also given an idea of how to instruct the students for better results.

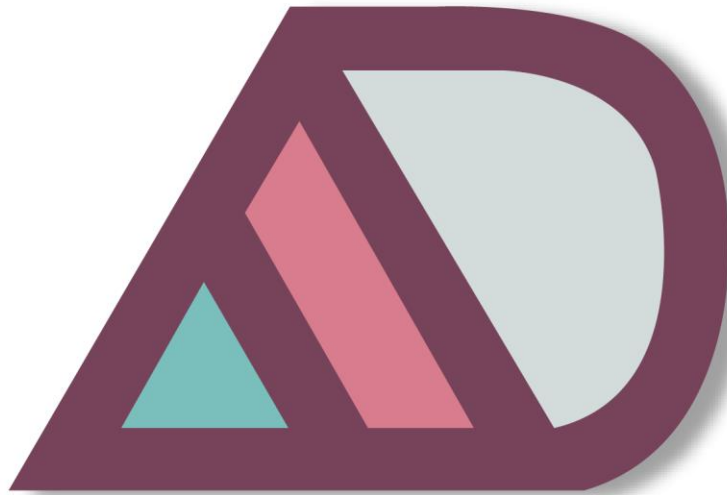
**Mrs. Rinku Gaine
Principal,
Manovikas Kendra**



“STRUCTURED CURRICULUM ENHANCING SKILLS”

The Art & Design subject trained students in the therapeutic benefits of the arts and transforming their skill sets. It is a structured curriculum that enhances cognitive skills and automatically children learning academic skills. When children get interested in creative work, it reduces their behavioral problems and increases their attention span, and also enhances their learning ability.

**Mrs. Gayathri Panju
Principal,
Aruna Chetna, Bengaluru**



Be a future ready inclusive school and implement Art & Design in your school - a systematic and proven cross-curricular educational solution enhancing the interest of learning in constructive ways

Please visit <https://aims.media/Art&Design> and get fact sheets and brief introductions of all the books.

Also, book a Request for Orientation - we will be happy to share the insight of 'an ennealogy- set of nine books' and conduct preliminary assessment at pro bono basis.

M: +91-7065011471 | Email: aims.artndesign@gmail.com