

3D Printing Educational Kit

Primary School Education

✔ Class : 1st to 5th grade

✔ Age group : 6 - 11 years

The 3D Printing Primary School Kit is first of its kind in India. 3D Printing is a great way for schools to really engage their students in the learning process and offer advanced possibilities for a variety of disciplines. Every school would need to integrate 3D Printing to prepare next generation for their future careers.

3D PRINTING REVOLUTIONISING *the* CLASSROOM

Biology students can study cross-sections of hearts or other organs.



Design and Engineering students can make prototypes of their creations.



3D Printing has caught the attention of educators who are looking into ways to incorporate it into the classroom.

Using 3D Printers in the classroom could mean:

Chemistry students can print out complex molecules to study.



Architectural students can print new or existing designs.



Engineering students can print modified car or robot parts.



History classes can print artifacts for closer examination



Geography students can print out topography, population or demographics of an area.



Graphic design students can create prototypes of product designs



Food Technology students can design molds and cookie cutter templates



“ 20 years back computers were introduced in schools and now 3D printing technology is ushering in schools and colleges around the world.”



In Primary School students will first be introduced to basic of 3D printing. Assignments will present a problem, which they will analyze and solve by making tangible prototypes. This can help improve their analytical skills, spatial awareness as well as their mathematical skills.

3D Printing School Kit is designed to enhance :

- ✓ Creativity and technical skills
- ✓ 3D printing concept
- ✓ Model designing
- ✓ Real world objects creation
- ✓ Machines and motor skills
- ✓ Mechanical & Molding technique
- ✓ Rapid prototyping technique
- ✓ Adoption of new technology

Give young students the chance to experience 3D Printing from early years. It helps to develop their cognitive and motor skills. It helps them vision an object that they can recreate it using 3D Pen and 3D Printers.

3D Printing benefits for students :

- ✓ Enhance learning and student brain development.
- ✓ Encourage creativity at SLP stage (student learning phase)
- ✓ Feeling of creation, foster student's personality
- ✓ Improve interest in Art and design aesthetics and motor skills.
- ✓ Cognitive improvement (such as thinking, understanding, learning and remembering)
- ✓ Learn product design & development, 3D printing technology, software technique
- ✓ Create a launch pad for the future for your students for an industry that is growing at the rate of 45.7%

3D Printing School Kit includes :

- ✓ 3D Printer
- ✓ 3D Pen
- ✓ Filament roll
- ✓ Student Educational Training Course
- ✓ Teacher Training Workshop
- ✓ Professional Support
- ✓ Designs Template
- ✓ Software in USB key
- ✓ Online Drive Subscription