Your Name: Dishant sondhi

Grade Level: 10th

School or Organization Name: Kamla Nehru Public School

Co-Presenter Name(s): N/A

Area of the World from Which You Will Present: India

Language in Which You Will Present: English

Target Audience(s): Students ,teachers and all around the world

Short Session Description (one line): 3D printing is also known as desktop fabrication or additive manufacturing, it is a prototyping process whereby an real object is created from a 3D design

Full Session Description (as long as you would like): The 3D printing technology made its way to the technological world in the year 1986, but not gain importance until 1990. It was not that popular outside the world of engineering, architecture and manufacturing.

One of the most important applications of 3D printing is in the medical industry. With 3D printing, surgeons can produce mockups of parts of their patient's body which needs to be operated upon.

3D printing make it possible to make a part from scratch in just hours. It allows designers and developers to go from flat screen to exact part.

Nowadays almost everything from aerospace components to toys are getting built with the help of 3D printers.

3D printing can provide great savings on assembly costs because it can print already assembled products. With 3D printing, companies can now experiment with new ideas and numerous design iterations with no extensive time or tooling expense. They can decide if product concepts are worth to allocate additional resources. 3D printing could even challenge mass production method in the future.