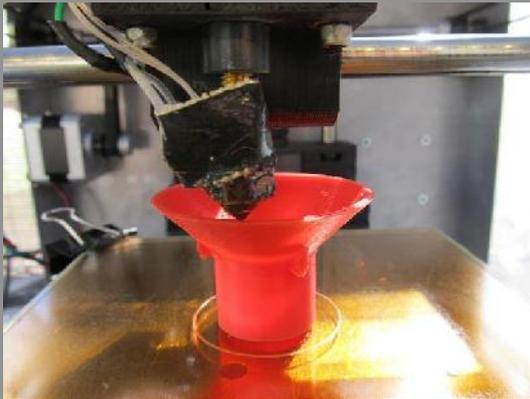


3D

Printing

Incursions
for schools

THE ROBOTS ARE COMING



Discover how 3D printing technology
can revolutionise the classroom.

3D printing is an important technology that promises to democratise making, by putting the capabilities of a factory onto desktops, in homes, offices and schools.

Our incursion service gives students (and teachers) a thorough introduction to 3D printing and associated technologies such as 3D CAD modelling, 3D scanning and crowdsourced design. We demonstrate our 3D printer working and explain the workflow required to produce an object from a design file.

We discuss the range of current 3D printing technologies and their uses, as well as the likely implications for the future.

What is 3D Printing?

3D printing is the process of creating an object by laying down, or "printing," layers of material until the object is formed. There are many different types of 3D printers and 3D printing technologies. The most versatile and accessible 3D printers print objects using extruded molten ABS plastic, which hardens rapidly as it cools. Once a layer is fully printed it will be solid enough to support the layers that are printed on top of it.

3D models can be scanned from real life objects or designed from scratch using CAD software.

Learning Outcomes

Many students today have a high level of technological literacy. The challenge for educators is to move beyond teaching proficiency with modern tools, to engage students creatively and to extend their understanding of what is possible. Our series of learning sessions focus on collaborative problem solving amongst groups and challenge students to develop their ability to innovate.

Our incursions are mapped to specific elements within the Australian Curriculum. Contact us for further details.



Geometry



Bio Science



Life Sciences



Molecular Science



Design



Food Technology



Art



Architecture



Exploration



Medicine



Chocolate!



Robots!



Contact us today
to discuss an incursion for your school:
incursions@the-robots-are-coming.com
0417 592299
www.the-robots-are-coming.com