

# 3D PRINTING IN THE SCIENCE CLASSROOM

**DREMEL**  
DIGILAB

## HYPOTHESIS

3D printing in the science classroom will ensure students have the skills and knowledge they need to thrive in the workplaces of the future.



## SETTING UP THE EXPERIMENT

The UK is facing a major skills gap in emerging technologies and science classes are failing to inspire today's students.

**88%** of science technicians say a reduction in practical work is harming children's interest in science and technology.



## CONDUCTING THE EXPERIMENT

Moreover **77%** say a lack of funding for equipment is undermining teaching.

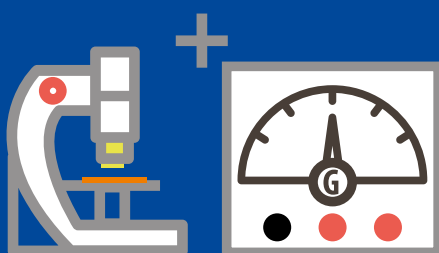
**92%** science technicians of who knew about 3D printers said they were very or somewhat reliable.



## MEASURING THE RESULTS

Thousands of pounds worth of out-dated equipment is being left unused in science store cupboards.

This includes 1960s galvanometers, molecular modelling kit from the 1950s and an ammeter with a King George VI stamp.



## DRAWING CONCLUSIONS

Science departments need to introduce students to 3D printing technology as it is crucial to the 4th Industrial Revolution.

Technicians familiar with 3D printing were three times as likely to recommend their school invests in a printer.

