



# Engineering

Science and Technology Department

# What is Engineering?

Engineering is a super fun and practical way to solve problems. We normally look at a situation get our heads together, design and make a workable solution....

We cover lots of **STEM** tasks in engineering...this means Science Technology Engineering and Maths

Engineers work in a huge range of areas solving all kinds of problems.



# What will I do in Engineering? - Design

Year 7 students tackled a real project designing and making a water bottle that filters dirty water...The great thing is what they learnt in Science helped shape their designs in Engineering..Have a look at some of the creative ideas they produced.

Have a go!

Try sketching out your very own water bottle designs and ideas..

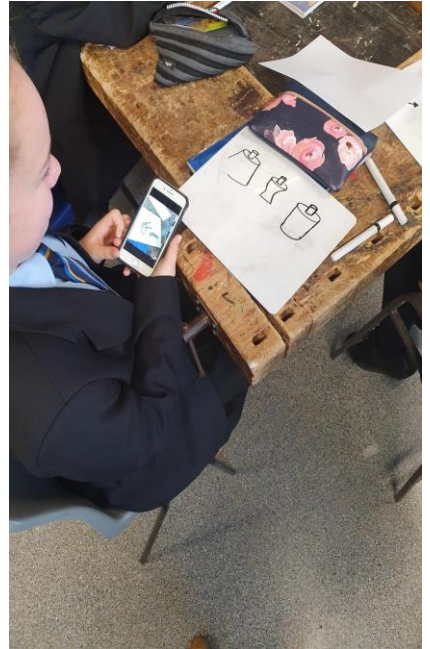
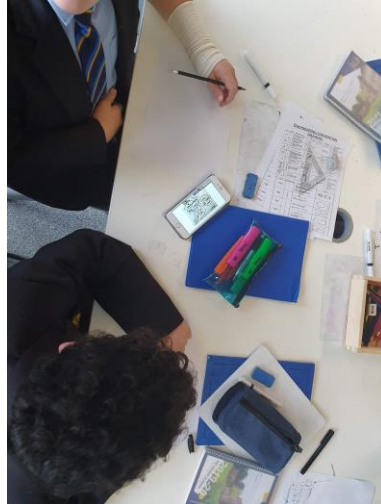




# What will I do in Engineering? - Solve problems and Making

Working in teams the Year 7 students discussed, changed and improved their ideas before making....We eat problems for breakfast in Engineering....Yum!

They were shown how to use and safely used workshop equipment, tools and materials to make a model of their water bottles.



# HOW TO MAKE A LEGO RUBBER BAND CAR

## Engineering Challenge

Let's Have some fun with Lego  
and solve some problems.  
Build a lego car that is powered  
by a rubber band!!

Proud of your work?...Why  
not share it on twitter and  
loop us in  
@BassalegScitech

Click on the image to the right  
for some help, get building and  
have fun.



HOW TO MAKE A LEGO  
RUBBER BAND CAR



FrugalFun4Boys.com