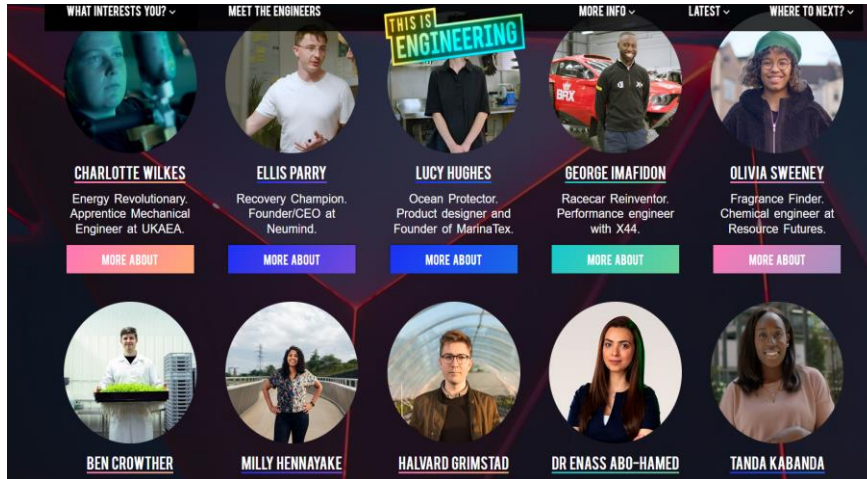


If you were an engineer, what would you do?

We all took part in the "If you were an engineer, what would you do/" competition with the hope that our invention would win and be made by real-life engineers.

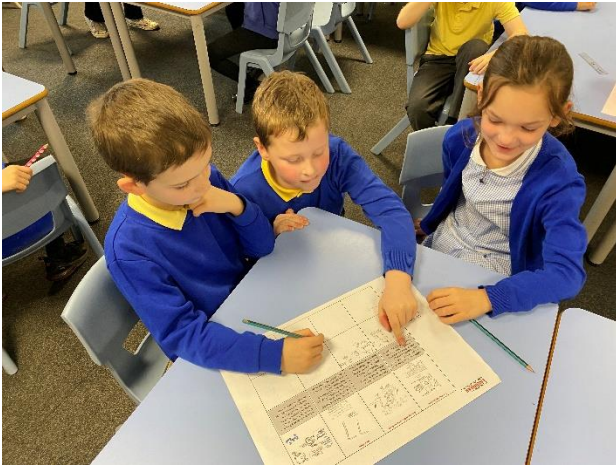


We began by thinking about what an engineer does. We learned that there are many different kinds of engineer and even had the opportunity to interview some online.

We asked questions including: "What made you want to become an engineer?" "What is the best thing you have created?" "What tools do you use to help in your job?"



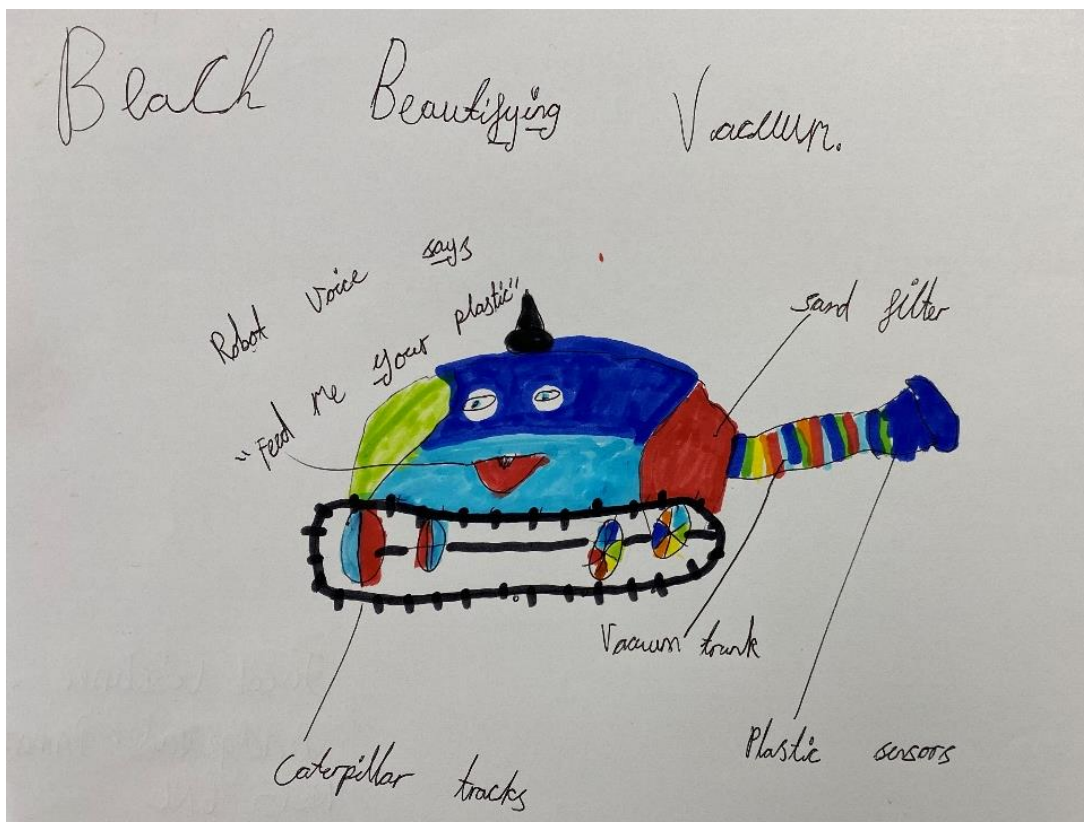
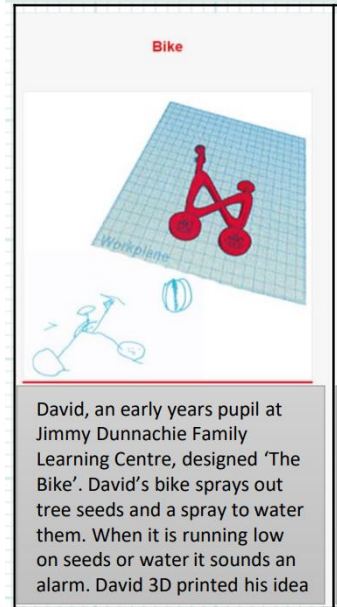
Next, we did our own research into inventions and what makes a good engineer. We thought about problems that affect us all like climate change and world hunger. We also considered problems we face at home and in school such as children rocking on chairs.



We then looked at inventions from previous completion entries. Working in groups we talked about what we liked about each design, how we thought it would work, would it solve the problem it was intended to solve and how we could improve it.

For example, one invention was a bike which scattered and watered seeds as it was ridden to help combat climate change and deforestation. Jacob P suggested that the bike could also be used to generate power to charge mobile phones.

We created our own inventions and made designs thinking carefully about what the function of each part would be. In groups, we evaluated our designs and made improvements where necessary.



Jacob L invented a robot that cleans plastic waste from beaches.

The Self-Regulation bracelet



Zoeya invented a Zones of Regulation bracelet which helps people stay in the Green Zone. It plays calming music and releases your favourite smell.

Next we wrote persuasive letters to the judges of the engineering competition.

Year 3 Elephant Class
Bridgewater Primary School
Delaval Road
Newcastle Upon Tyne
NE 15 6NL
20th March 2023

Dear Excellent Engineers,

Are you fed up with getting angry? Do you ever have problems staying calm and being in the Green Zone? Do you need help staying out of the Red Zone? The Self-Regulation Bracelet is the thing for you!

The bracelet will ask you questions to help you stop feeling angry, anxious, frustrated or even scared. It will play your favourite music or calming tunes. You can even add your favourite soothing smells to the bracelet.

When you have a fixed mind-set it will say enthusiastic things such as "Don't give up!" "You can do this!" and "You are awesome!"

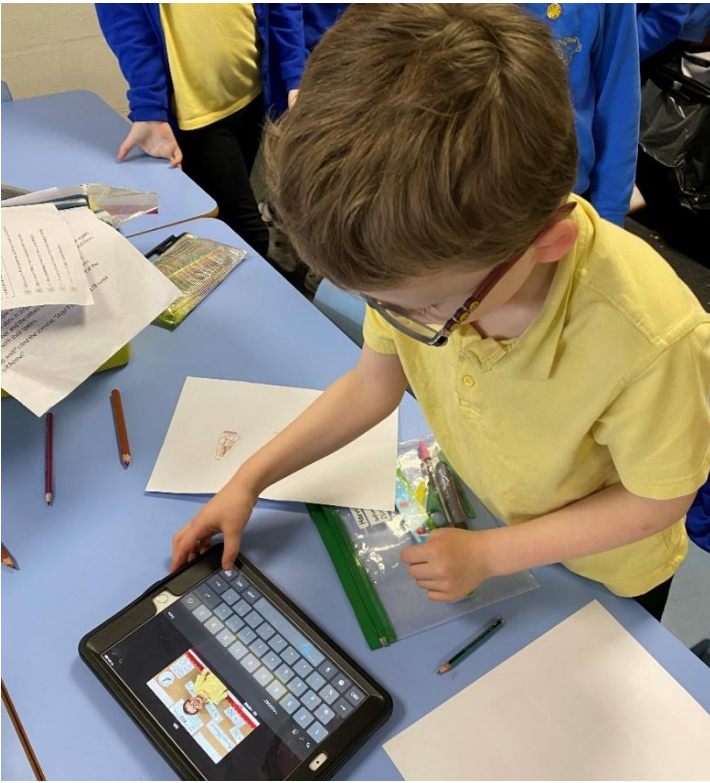
The bracelet also changes colour so your friends know exactly how you are feeling and what zone you are in.

The bracelet can also be linked to your teacher's bracelet so that your teacher will know you need some support.

Choose my amazing invention because I believe it will help so many people who are feeling anxious, scared, worried or frustrated before they get into the Red Zone and go crazy and blow up!

Yours sincerely,

Zoeya Khan (aged 8)



Finally we used the iMovie app to create our own advertisements persuading people to buy our amazing inventions!

