



# Gosforth Schools' Trust

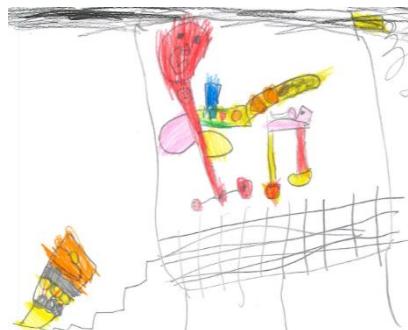
## STEM NEWSLETTER: April 2019

This year **Gosforth Schools' Trust (GST)** launched a GST STEM Leader Award. Children of all ages from across GST had to use their imaginative skills to create their own inventions based on these questions. What would you design if you were an inventor? Could your design help people? Could your design make the world a better place?



*Regent Farm KS1 Winner*

One winner was selected from across GST for each phase of learning.



**GST EYFS Winner:** Rachel – South Gosforth

This is a robot that can help people when they are poorly. People don't have to get out of bed because the robot will bring them their food!

**GST KS1 Winner:** Emily - Gosforth Park

There is too much plastic in the sea so this robot cleans it to look after the fish. The mouth eats the plastic and the grabber easts up the plastic that is left behind. There is a person to drive the robot and also a hoover at the back!

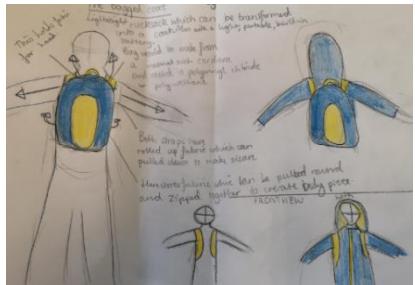
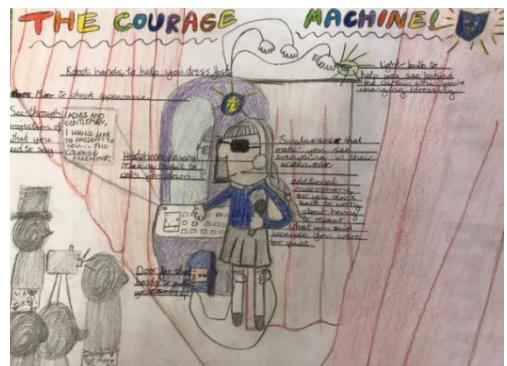


**GST LKS2 Winner:** Faye - Dinnington

The Automatic Pickerupper doesn't waste any time and means that as much rubbish can be picked up as possible to help keep the world clean and tidy!

### GST UKS2 Winner: Gosforth East Middle

The Courage Machine has headphones playing relaxing music to help you calm down. It also comes with sunglasses, see through projection of what you need to say and even a door for a robot to help you pull your socks up!



### GST KS3 Winner: Patrick – Gosforth Central Middle

The Bagged Coat is a lightweight rucksack which can be transformed into a coat. It also comes with a light and built in battery. The bag would be coated in polyvinyl chloride or polyurethane. Both straps have rolled up fabric which can be pulled down to make sleeves

There were also lots of other exciting activities being carried out during British Science Week...



Pupils at Regent Farm made balloon rockets and worked scientifically to see how they could alter the designs to make them go further. UV lighting was used at South Gosforth to investigate how germs are spread by hands.



Brunton carried out a range of outdoor activities such as pond dipping, orienteering, leaf identification and sound walks. Some children even made windmills out of plastic bottles!



Archibald pupils became scientists to find out how medicine is made and also investigated friction by seeing how far vehicles would travel on different surfaces.



Pupils at Gosforth Central Middle School designed, made and tested their very own 'impossible' planes. Children at Dinnington studied neurons and used this to inspire some science based abstract art!



To find out more about our STEM work follow **@GSTStem** and search for the **#GSTStem**.