



DT 2023-2024

Year R



In year R, the children have been exploring joining different junk modelling pieces together. The children have explored the different shapes, sizes and ways they can join materials together e.g. glue sticks, cello tape, masking tape, PVA glue. They have also explored joining in different ways such as flanges, split pins, folds and more!



During their MOOT sessions, children have been creating their own junk models and sharing them with their teachers and friends! They have loved exploring different ways to join materials!



They had so much fun during DT day as they could use their skills inside and outside of the classroom. They created playgrounds using junk modelling and materials inside, and then outside they used large construction pieces such as wood and piping. As well as this, they also used small construction boxes such as straws, tiles, Lego and Mega

blocks. Throughout the day, children showed amazing teamwork and perseverance as they took on the role of an engineer and created something special to them.



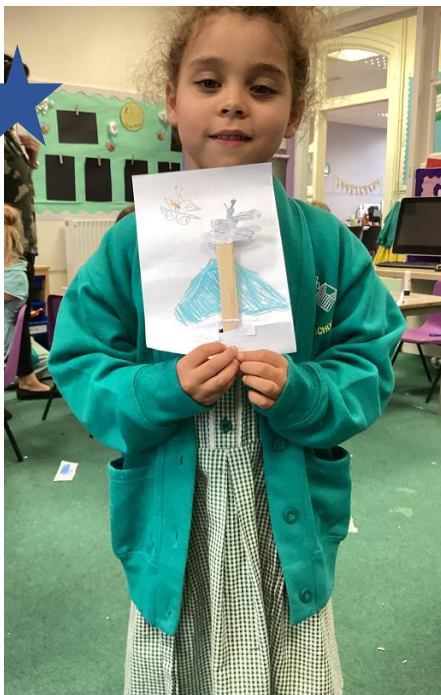
# Year 1

## Autumn 1

In year 1, the children have been looking at moving pictures. They explored how a moving picture can bring the story to life. They discovered the inventor of the first lift-the-flap books Eric Hill. The children then spent time exploring the different ways to make a moving picture using sliders, levers, hinge, flaps and pivots.



After exploring, the children designed their own fairy-tale themed moving picture. They thought carefully about which part of their design would move and how it was going to move. The children had great fun creating something they had designed!





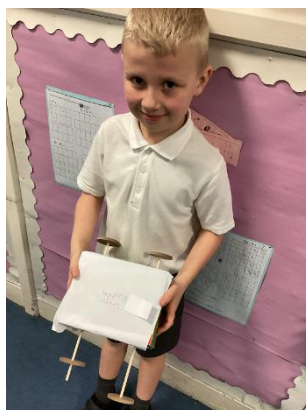
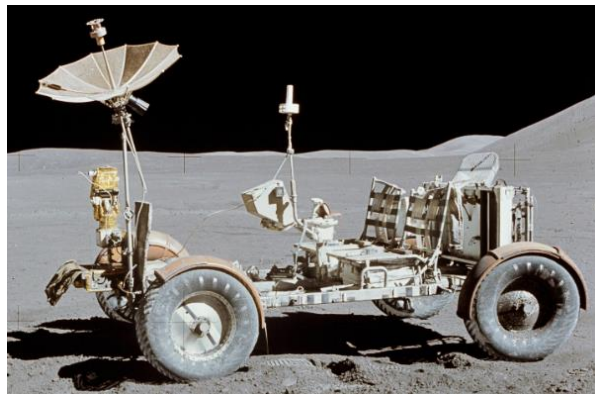
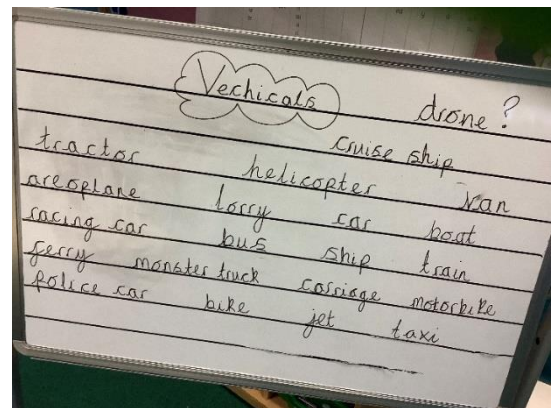
## Spring 1



During this half term, the children have been learning about moving vehicles. They have learnt about the key components needed to make a vehicle move. These are axles, wheels and a chassis.



After exploring different moving vehicles, the children looked at moon buggies and identified the key parts that allowed it to move. Once they had explored, the children designed their own moon buggy including those key components. They have enjoyed creating their own moon buggy and comparing them to the vehicles they have explored.





## Summer 1

This term the children have been designing and making their own fruit kebabs!

The children started the term tasting different fruits and deciding on which they liked the best. Once the children decided which fruit they would like on their design, they used Playdoh to practise their cutting skills. They thought carefully about how they needed to hold their fruit, what size the fruit needed to be and how to use the knife safely.



In order to create their packaging they needed to explore packaging already used. What stands out? Is the name of the product catchy? Which colours are used? The children then used their research to design their packaging for their product. They have had so much fun designing and making their fruit kebabs!



## Year 2

### Spring 2

This term's DT linked to children's topic of The Great Fire of London. They used their skills to create a winding mechanism of moving water to put out fire.

To begin with, the children explored what a winding mechanism is. They explored existing winding mechanisms and labelled the different components. In order to create their own, they had to explore the best materials needed to create a successful mechanism. Children had opportunities to explore resources such as, cotton reels, thread, string, elastic bands, and wool. From their research the children, the children then designed their winding mechanism and the background for their product.



Year 2 thought carefully about their design backgrounds and the materials used for the mechanism. They worked hard to create their products and enjoyed sharing them with teachers, friends and grown-ups!





## Summer 1

Year 2 have had a very exciting term making their own couscous salads! They have enjoyed trying different ingredients that make up a couscous salad and making decisions on what they like. An important part of this product was finding out customer research. The children collected information from around their class to encourage their final decisions. They learnt about how when they are creating the product for someone else, research and thoughts from the customer help to make the final decision!

Once they had completed their research, the children explored packaging. They looked at what stands out, key components such as barcodes, ingredients etc. They used this information to help them design their own packaging.



Then it was time to make their couscous salad. After spending time creating their packaging, the children combined their ingredients for their salad. They were so excited to take it home for family and friends to try!





## DT DAY

On the 4<sup>th</sup> of March 2024, it was World Engineering Day. This is a day to celebrate engineers from around the world and improve understanding of engineering. At Shirley Infant School, children had the opportunity to explore what an engineer is and what they do.

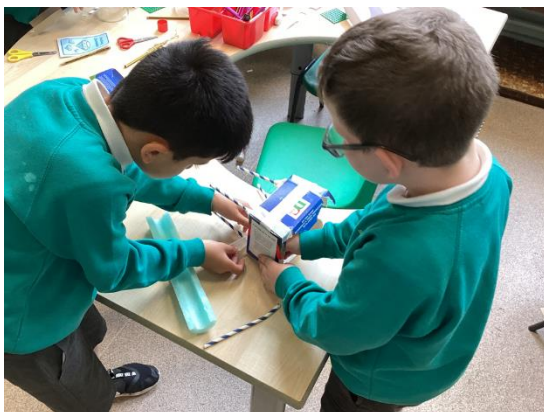


We looked at different types of engineers and the importance of them. See if you can ask your child about the different types of engineers! They explored past and present engineers and created mind maps with all the new

information they have learnt. THEN, it was time for them to become an engineer!



Throughout the afternoon, the children worked in small groups to create their very own playground for St James Park. They explored all the different ways of joining materials together and the best way for their design. E.g. flanges, folds, braces, slots.



Using junk modelling, tape, straws, masking tape, string and all other resources the children created some amazing playgrounds! It was so lovely to see all the children using their curiosity and imagination as they created their playgrounds. We saw so many children working together as a team and they were so proud of what they created!



