



This week we have made our model cars. Many parts were very fiddly and tricky. Firstly, we had to measure the wood to the right lengths with a ruler and mark them with a pencil. Then we put the wood on the vice and cut it to the right lengths.

Next, we stuck cardboard gussets (triangles) to the corners to create a right angle. We repeated this to create a rectangle with four right angles.

We bent paper clips around an axel to create a loop in the middle which the axis could fit through. These paper clips were masking taped to the frame – we needed 4 of these. Then we put the axels through the loops and added a spacer, which was a piece of tubing, and a wheel to each side.

We stuck long pieces of wood on top of the frame and placed the motor and the battery holder on to these pieces so that they would be supported.

The hardest part was wiring up the batter and the motor. We had to use long lengths of wire and use wire strippers to take off the plastic so we could attach the metal. This was really fiddly!

On Friday afternoon, we showed our working cars in the hall and looked at everyone's hard work. It was a really fun week which needed lots of resilience and creativity!



**Week:**  
**3<sup>rd</sup> May 2019**