

**Medium Term Planning Spring 2019 Year 6 D&T – Sustainable Transport**

<b><u>Week</u></b>	<b><u>Learning Intention</u></b>	<b><u>Outcome</u></b>
1	LI: To identify ways to make objects move.	Put a ping pong ball on each table in the class. Tell the children they have to move it from one side to the other. Which group can come up with the most inventive way? Children may use straws, string and other materials to help them. Explore and manipulate the motion of objects and the forces required to control that motion (pushing, pulling, throwing, dropping, rolling, and so on). Children are now to create their own design brief for a moving car.
2	LI: To identify the requirements/needs of my design.	Have toy cars available for the children to look at. Discuss the different forces that could be used to move a toy car. What materials could be used to make the car move on its own? Children are now to design their moving car.
3	LI: To plan how they will create their moving car.	Write a set of instructions which will help them to make a moving car.
4 and 5	LI: To make a moving car.	Children are to create their vehicles. Any modifications must be added to the original design.
6	LI: To evaluate the final product.	Review how well the finished products match the design criteria. Class challenge – who created the fastest car? Whose car could travel the furthest?