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|  |  **Pathway 1** | **Key Stage 3 Cycle 1** | **Summer 2** **Topic: Forces and Magnets** |
| **Learning Intention: Pupils will learn about forces, friction and magnetic attraction. They will learn about forces in the context of pushing and pulling.  Pupils will develop the ability to work scientifically and collaboratively to investigate forces and magnets.** |
| **Key knowledge that should be learned during this SoW**  | All | Most | Some |
| **Concept:**  | How magnets create a push or pull force through their opposite poles by attracting and repelling  |
| **Knowledge:**  | To explore forces. To explore how things move on different surfaces | To know that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling objectTo compare how things move on different surfaces | To explore that unsupported objects fall towards the Earth because of the force of gravity. To explore and identify the effects of air resistance, water resistance and friction by identifying forces acting on objects. Magnetic fields and their strengths |
| **Key Skills:**  | **Exploring** **Observing****Classifying** | **Predicting**Comparing  | **Forming conclusions** |
| **Language and/or communication skills:**  | PushPull | TwistBend | GravityFrictionBalancedUnbalanced |