

Year 5: Spring Term 1

Key Driver: Sticky Knowledge



Vary vocabulary, grammar, and non-verbal features to suit audience, purpose, and context.

Engage the interest of the listener by varying their expression and vocabulary.

Secondary Drivers:

We all have the right to feel safe all the time.

We can talk with someone about anything, even if it feels awful or small.

I know my Early Warning Signs.

I know who I can talk to if I have a problem (network people).

PE: Swimming
Swim competently, confidently and proficiently over a distance of at least 25 metres

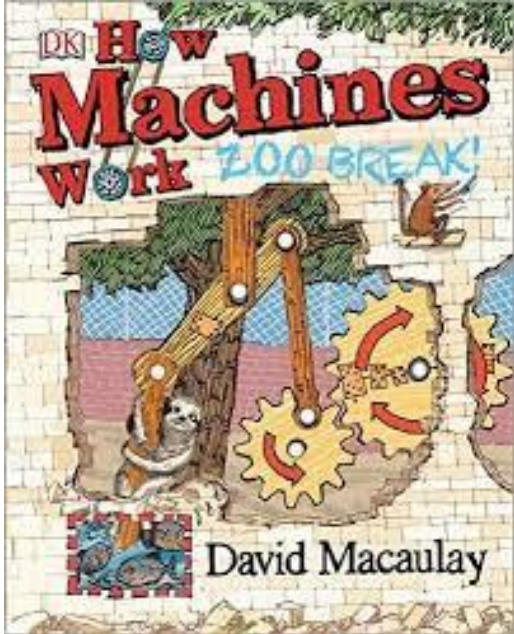
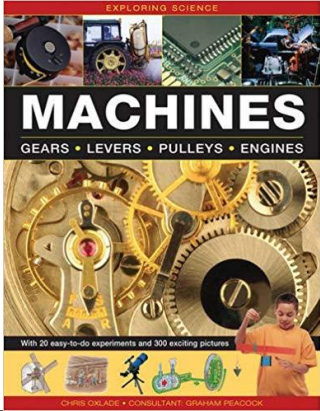
P.E Football
Can they choose the best tactics for attacking and defending?

Music: Can they maintain their part whilst others are performing their part?

Computing: Understand coding vocabulary.



Year 5: Levers, pulleys and gears Knowledge Mat

Subject Specific Vocabulary		Interesting Book	Sticky Knowledge about Forces
Lever A lever is a long bar, one end of which is placed under a heavy object so that when you press down on the other end you can move the object.			☐ Any kind of force is really just a push or a pull.
pulley A pulley is a basic device or machine made of a wheel with a rim that a cord or rope fits around. The wheel and axle of a <i>pulley</i> make it easier to lift heavy objects with the rope.			☐ A <i>gear</i> is a wheel with teeth that interlocks with another <i>gear</i> to transmit motion in a machine.
levers A lever can be described as a long rigid body with a fulcrum along its length.			
pulleys Pulley is a simple machine and comprises of a wheel on a fixed axle, with a groove along the edges to guide a rope or cable.			
gears Gears are wheels with teeth that slot together. When one gear is turned the other one turns as well.			
		Important facts to know by the end of the forces topic:	Main Scientific skill to be taught in the topic
		• identify and know the effect of friction. • explain how levers, pulleys and gears allow a smaller force to have a greater effect.	☐ Using test results to make predictions to set up further comparative and fair tests.