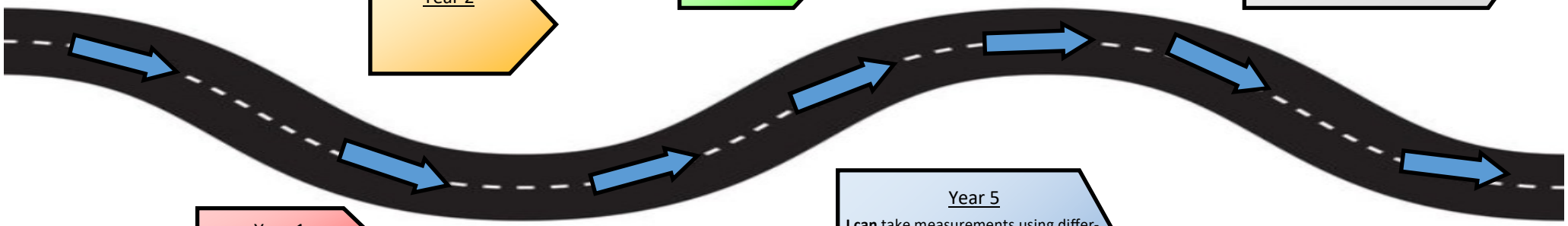
Science Curriculum Journey

(Forces, Earth and Space)



Reception

I can say how my experiment would be better next time.
I can explain why a surface (e.g. rough) affects the movement of and object.
I know materials have useful properties (e.g. hard).
I know items float or sink.

Year 1

Year 2

Year 3

I can make predictions and use scientific facts to draw conclusions.
I can compare how things move on different surfaces when force is applied.
I know how magnets attract or repel each other and some magnetic materials and have
2 poles.

Year 4

Year 5

I can take measurements using different equipment in my fair tests.
I can describe the movement of the Earth, and other planets relative to the sun and moon round the Earth
I can explain and test for gravity, friction, air and water resistance
I recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

Year 6

Year 7

I can present observations and data using appropriate methods, including tables and graphs.

I know simple machines give bigger force but at the expense of smaller movement.