



## Year 9 Physics Learning Map



- TERM 1 -

### Electrical Circuits

Electricity not only plays a big part in our daily lives at home, but it is extremely important for all the things that go on in the world around us. This topic looks at the measurement of current and how it behaves in series and parallel circuits, and at voltage and resistance. Various models for thinking about what is happening in circuits are explored.



#### LINKS TO PRIOR LEARNING

Previously, you would have constructed simple circuits and use them to find out whether materials are conductors or insulators. You may have learnt how to draw circuit diagrams and construct circuits from diagrams using conventional symbols.



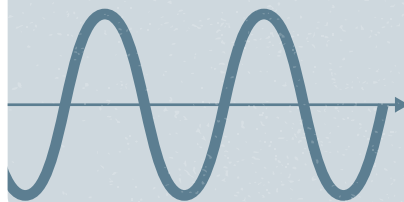
- TERM 2 -

### Space

This topic looks at the Earth, including the seasons and the Earth's magnetic field and gravity. It also looks at the Solar System and what is beyond the Solar System.

### Magnetism

Magnetism has important scientific and technological applications. It is used in many electrical appliances to generate desired magnetic fields. Here, we learn about the properties of permanent magnets and electromagnets and their uses.



#### LINKS TO PRIOR LEARNING

Previously you would have learnt about movement of the Earth, moon and other planets relative to the Sun and also use the idea of the Earth's rotation to explain day and night.

You would also have learnt about permanent magnets. You may be able to describe the interaction between two magnets.



- TERM 3 -

### P3 Energy Resources

Our energy choices and decisions impact Earth's natural systems, so it is essential that we choose our energy sources carefully. Here, we learn the different energy resources that are used to generate electricity.



#### LINKS TO PRIOR LEARNING

Previously, you would have come across renewable and non-renewable energy resources and some of their effects on the climate.

