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| WEEK/Dates | TOPIC | HOMEWORK |
| Week beginning : 2/9/19 | Wave effects  | * Ultra sound –worksheet
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| Week beginning : 2/9/19 | Wave effects  | * Research the evidence for the effect of mobile phone radiation on the brain.

Write a paragraph giving your opinion and justifying it with evidence |
| Week beginning : 9/9/19 | Wave properties  | * Research how noise-reduction headphones work.

Produce a leaflet explaining the science behind them. |
| Week beginning : 16/9/19 | Contact forces  | * (Friction and Drag) Write an article about how the design of sportswear for athletes, swimmers, or runners helps them move faster.
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| Week beginning : 23/9/19 | Contact forces  | * Squashing and stretching -worksheet
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| Week beginning : 30/9/19 | Pressure  | * Investigating gas pressure -worksheet

Answer the following questions:* Why does a block of iron sink but an iron boat floats?
* Why do some fruits float and some fruits sink?
* How does a life jacket keep a person from sinking?

Why do air bubbles in water rise? |
| Week beginning: 7/10/1914/10/19 | Elements  | Use the search term ‘RSC Periodic Table’.* Research the chemical symbol, properties, and uses of one element.
* Create a small poster to display your findings
* Properties of atoms and elements -worksheet
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| Week beginning : 28/10/19 | Periodic table  | * Write a paragraph on the history of the Periodic Table.

Include the following key words and people:* Patterns
* Newlands
* Mendeleev
* Metals
* Non-metals
* Groups
* Periods
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| Week beginning : 4/11/1911/11/1918/11/19 | Breathing/Gas exchangeDrugs and alcoholSmoking | * Inhaled and exhaled air-activity sheet
* Design a poster or advert for pregnant women.

Your poster or advert should explain why pregnant women should not drink alcohol and dissuade them from doing so. Include scientific information about the effects of alcohol on the mother and the baby.* Interpreting information from graphs
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| Week beginning 25/11/19 | Digestion  | * Food test activity sheet
* Draw a comic strip showing the journey of a sandwich through the digestive system.

Your comic strip should accurately show the process of digestion, whilst still being entertaining.* It should use at least 10 scientific words from this topic
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| Week beginning 2/12/19 | Magnetism  | * Using maths skills science, calculate the strongest type of electromagnets using the information given.
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| 9/12/1916/12/19 | ElectromagnetsUsing Electromagnets | * Produce a leaflet for a recycling company that can be given to members of the public to teach them about recycling.
* Complete work sheet on different uses of electromagnets.
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