



Oakwood Academy
A Visual Arts, Technology & Sports College

Science- 9A

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Basic learning in Science

- ▶ The purpose of science teaching at Oakwood is to develop curiosity, enjoyment, skills and a growing understanding of science through an approach in which pupils raise questions and investigate the world in which they live.
- ▶ **The subject of science** seeks to engage and challenge learners at many levels, linking direct practical experience with scientific ideas. Experimentation and modelling are used to develop and evaluate explanations, encouraging critical and creative thought. Opportunities are planned for pupils to:
 - ▶ Enquire, explore and observe so that they can ask questions about themselves and their environment
 - ▶ Stimulate their curiosity in finding out why things happen in the way they do
 - ▶ Appreciate the way science will affect their future on a personal, national and global level.

Learning Task 1 - Science- 9A

Research the gestation times of 7 animals and create a poster or document about it.

- ▶ You should include a variety of animals from each group - Reptiles, birds, mammals, fish and amphibians (you could even choose from the invertebrates!).



[Click here to watch a short video about animal gestation periods.](#)

Learning Task 2 - Science- 9A

Make a poster or leaflet about the main food groups and what each group is needed for.

- ▶ Include Carbohydrates, protein, Fat, Fibre, Vitamins and minerals and water.
- ▶ Give some examples of foods that are high in each food group.



[Click here to watch a short video about food groups.](#)

Learning Task 3 - Science- 9A

Find out about 5 legal and illegal drugs. What effect do they have on our body? Is it good or bad? Write a paragraph about each one.

- Include a definition of what a drug is.
- Choose any drug. Illegal, legal or prescription.
- Some useful websites:

<https://www.talktofrank.com/>

<https://www.drugwise.org.uk/drug-information/>

Prompts

- ▶ What activities can parents and carers complete regularly with their children that have the **most benefit**?
- ▶ Think about the fundamental / basic skills or knowledge needed in your subject area? For example
 - ▶ Daily reading in English
 - ▶ Concentrating on the four operations of maths - Addition, Subtraction, Multiplication and Division
 - ▶ Promoting physical activity (PE)
 - ▶ Awareness of e safety (computing)