



Oakwood Academy
A Visual Arts, Technology & Sports College

Science- 8B

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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.

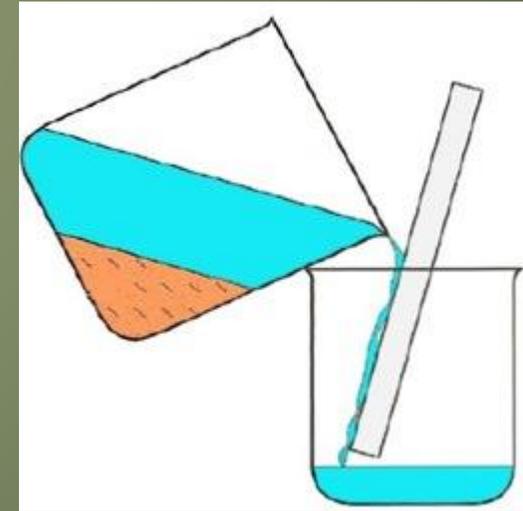
Learning Task 1 - Science- 8B

- ▶ Click [here](#) to watch a video introduction.
- ▶ Think about what you think the word pure means (look it up if you are not sure).
- ▶ Keep packaging and labels from food and decide whether you think the food is *pure* or *impure (not pure)*.
- ▶ You could make a display/poster with your labels to show which are pure and which are impure.



Learning Task 2 - Science- 8B

- ▶ Watch the video about separating mixtures by clicking [here](#).
- ▶ Draw pictures to help you explain how the different mixtures are separated.
- ▶ Make a list of different ways mixtures can be separated when cooking.



Learning Task 3 - Science- 8B

- Click [here](#) to watch a video about how water can be purified.
- Imagine you are on a desert island, with just the things washed up on the beach to use.
- Draw how you would try to collect and purify water. Use the information in the video to help you.



Prompts



- ▶ When you can, include your children in jobs you do around the house. It can be anything from cooking to washing the dishes. Talk to them about why you do things the way you do (why do you use washing up liquid? Why do you need the oven to be so hot?)
- ▶ When measuring things out for cooking ask them to help and see how accurately they can make readings.