



Year 8 Science Assessment 1

Diet, Atoms, Ecosystems and Waves

Current Topics:

- Identify the 5 vertebrate groups
- Identify the 5 kingdoms
- Draw food chains and food webs
- Draw and label pyramids of biomass and numbers
- Explain predator-prey relationships
- Describe how to sample populations
- Explain adaptations of animals
- State what waves transfer
- Label longitudinal and transverse waves
- Describe and draw reflection
- Describe and draw refraction
- State the primary and secondary light colours
- Describe how we use sound waves
- Explain how the eye works
- Explain how the ear works

Holistic Revision:

- Calculate protons, neutrons and electrons
- Draw electronic configuration
- Describe what an element, compound and mixture are.
- Describe how the Periodic Table is arranged.
- List the main food groups
- Describe the role of the organs in digestion
- Explain what enzymes are
- Describe the effects of alcohol
- Explain the effects of nutrient deficiency.

How to Revise:

Step One: Make Flash Cards:

A flashcard usually has a question on the front and an answer on the back.

On the right is a QR code which can be scanned to show you what flash cards are, how to make them **and** how to use them, but there are some outlines below:



1. Turn the information in the core knowledge booklet into a question.
2. Write a short answer on the back – make sure it isn't too long or it will be more difficult to remember it.

Another example of how to use them is below:



Where to revise:

You can use Key Stage 3 Bitesize to revise for each of the topics by going to the links below:

Ecosystems:



Waves



Periodic Table:



Diet and Health



You can also find information on Class Charts in the build up to the exam.