

Science: Variation and Human reproduction

Home Learning:

Students are expected to complete **one piece of Science home learning every week day**. Look-cover-write-check one knowledge organiser unit every week. Ensure the content on the knowledge organiser is learnt in preparation for a quiz given by your classroom teacher/tutor.

Key Questions: (A list of key questions)

- What is variation?
- What is meant by the term 'species'?
- Why are offspring similar/different?
- What are inherited variations?
- What are environmental variations?
- Is variation between individuals of the same species inherited, caused by the environment or a combination?
- What is the difference between continuous and discontinuous variation?
- How does variation help a particular species in a changing environment?
- What are the main parts of the human reproductive system?
- What is a gamete?
- How long does the menstrual cycle last?
- What are common factors that badly affect the development of a foetus?

Diagnosis+

& Smith Proforma

- Recall Quiz from knowledge organisers
- Short Diagnosis Test
- Feedback from teachers' marking

Therapy

- DIRT lesson – Respond to teachers marking.
- Peer to peer support
- Pixl 'Know It' slides and questions.

Students will: (Success Criteria)

Explain whether characteristics are inherited, environmental or both.
 Plot bar charts or line graphs to show discontinuous or continuous variation data.
 Explain how variation helps a particular species in a changing environment.
 Explain whether substances are passed from the mother to the foetus or not.
 Use a diagram to show stages in development of a foetus from the production of sex cells to birth.
 Identify key events on a diagram of the menstrual cycle.

Testing

- Final end of topic test after each topic