

Scheme of Learning: Reproduction

Topic Sequence:

1	2	3	4	5	6	7	8	9	10
Lab Skills	Particles and Separation Techniques	Forces	Cells and Organisation	Elements and the Periodic Table	Energy	Health and Human Body	Chemical Reactions	Electricity and Magnetism	Reproduction

Topic Overview:

The national curriculum requirements for this topic are to cover the following:

- reproduction in humans (as an example of a mammal), including the structure and function of the male and female reproductive systems, menstrual cycle (without details of hormones), gametes, fertilisation, gestation and birth, to include the effect of maternal lifestyle on the foetus through the placenta
- reproduction in plants, including flower structure, wind and insect pollination, fertilisation, seed and fruit formation and dispersal, including quantitative investigation of some dispersal mechanisms.

Lesson Sequence:

Starting with the human system, we look at the functions and names of the reproductive organs in males and females. In a logical sequence we then learn about fertilisation, pregnancy, birth and finally puberty. We then move onto reproduction in flowering plants, again learning the functions and names of the relevant organs and then pollination and seed dispersal.

Sequence of Lessons:

1	Reproduction systems
2	Fertilisation in humans
3	Pregnancy & birth
4	Puberty
5	The menstrual cycle
6	Plant reproduction
7	Pollination
8	Seed dispersal
9	Assessment

Resources:

1	Question box and post-it notes. (keep this for duration of topic)
2	Resources in shared folder
3	Resources in shared folder
4	Resources in shared folder
5	Resources in shared folder
6	Cress seed, Petri Dishes, Cotton Wool, Marker Pens, Flowers, Dissection tools
7	Resources in shared folder
8	Maple seed templates, Paper clips
9	In shared folder

Supportive Reading:

Comprehension activity	Puberty problem pages L4
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Assessment:

Knowledge: 20 question multiple choice knowledge test

Application of Knowledge: Extended writing answer describing fertilisation in humans.