

## Science Vertical Concepts

## 9. Genetic information is passed down from one generation of organisms to another

Nursery Year 1	<b>Reception</b> Plants and animals have similarities and differences.
Year 3	Year 2 Plants and animals reproduce (have offspring).
Year 5	Year 4
Organisms produce offspring of the same kind, but in many cases offspring are not identical with each other or with their parents. Plants and animals, including humans, resemble their parents in many features because information is passed from one	
generation to the next. Not all information is passed on from one generation to the other in the same way; some skills and behaviour have to be learned.	Year 6
Year 7/KS3 In a human body, most cells contain 23 pairs of chromosomes. These provide information that is needed to make more cells in growth and reproduction.	