

# High Tunstall College of Science Curriculum Intent

Subject: Science - Biology Year: 7

## Thread 5—Inheritance and evolution



	Biology Thread 5	Progress		
Topic	Key ideas	R	A	G
Inheritance and evolution	I can label the male reproductive system and explain what it does.			
	I can label the female reproductive system and explain what it does.			
	I can label parts of a flower and explain the difference between insect pollination and wind pollination.			
	I can describe what DNA is made up of.			
	I can explain the difference between inherited and environmental variation.			
	I can explain what extinction is and why certain species become extinct.			
	I can explain what adaptation is and how it can help a species to survive.			

Lesson	Learning Focus	Assessment	Key Words
1	Male reproductive system	Labelling diagrams	Reproduction, organs, <b>puberty</b>
2	Female reproductive system	Labelling diagrams	<b>Fertilisation</b> , organs, specialised
3	Plant reproduction	Labelling diagrams, questioning.	Pollination
4	DNA and chromosomes	Summative assessment	<b>Double helix</b> , polymer
5	Variation	Collecting data, summative assessment	Characteristics, species, genetics
6	Extinction	Summative assessment, questioning	<b>Extinction</b> , endangered
7	Adaptation	Summative assessment	<b>Adaptation</b> , survival
8	Review prior learning	Identify areas of strength and areas for improvement.	