



Science



Core Concepts/Year Group	Ambitions <i>Aspiring</i>	Oracy and Vocabulary <i>Creative</i>	Etiquette <i>Outstanding</i>	Integrity <i>Resilient</i>	Morals and Ethics <i>Noble</i>	Pride <i>Successful</i>
5	Bath Uni students visit: Material world STEM	Science specific vocab displayed for all topics Presenting work: Parachute (let's get moving)/spinners	Classroom and staff interactions for survey work (growing older) Teamwork (sharing)	Investigation going wrong and anomalous results	Looking at life: extinction, endangered species and humane farming techniques	Presenting results of investigations and interpreting (bar charts)
6	Transfer day- how to use a Bunsen safely and lab visit STEM	Design personalised fair test investigations Identifying variables	Healthy bodies: group work for fitness investigations Polite and positive interactions with peers	Classification: using and making keys and webs	Evolution and inheritance: genetics and inheritance moral dilemmas	Presenting and interpreting results of investigations (line graphs)
7	Forensics: being a CSI Great Science Share at UWE: selected students STEM: Science club	Forensics: voice overs for the SETI mission Planning investigations: hypothesis Identifying variables: independent, dependant and control	Extinction: global warming and plastic pollution (human impact on Earth) Earth resources	A and E: making models of specialised cells Sparky: solving circuit problems	A and E: IVF, adoption, organ donation and growth of artificial organs	Drawing complex tables of results (repeated results and averages) Identifying anomalous results
8	Catastrophe: being a volcanologist Science and ICT club: data loggers, STEM	Command words for exam technique Writing logical plans	Collaboration Human evolution: Species at war	Pyrotechnics: Looking for patterns in chemistry and applying existing knowledge	Live and Kicking: Use of drugs and alcohol in society and the impact on health (links to PSHE)	Line of best fit for line graphs Identifying anomalous results

(Subject to change due to curriculum developments)