

## Science Home Learning

### 1. Overview of learning

Wherever possible, pupils learning from home will follow the same order of work as they would if they were learning in school. Occasionally, the order may be amended as there are some topics that difficult to adapt for home learning. Topics covered this academic year are listed below.

Year 7	Year 8	Year 9	Year 10
Speed	Separating mixtures	Earth and Space	Genetics
Particle model	Sound	Unicellular Organisms	Conservation of energy
Cells	Light	Energy Transfers	Periodic table
Voltage & Resistance	Cells	Reactivity	Waves
Earth Structure	Breathing	Genetics and evolution	Natural selection
Interdependence	Gravity	Force Fields and electromagnets	Bonding
Energy Costs	Contact Forces	Making materials	Types of substance
Metals & Non metals	Universe	Genetics and evolution	Electromagnetic spectrum
Variation	Climate	Health and disease	Health and disease
Movement	Current & electromagnets	Energy conservation	Acids and alkalis
Sound	Plant Reproduction	Key concepts in Biology	Plant structures
Gravity	Acids & Alkalis	States of matter	Electrolysis
Separating mixtures	Energy Transfer	Motion	Reactivity and ores
Current	Human reproduction	Cells and control	Recycling
Universe	Respiration	Atomic structure & periodic table	Forces and their effects
	Evolution	Motion and forces	Coordination & control
			Groups in Periodic table
			Radioactivity

Year 11 will follow a review of all GCSE content.

### 2. Working online

Teachers will set a home learning task on Class Charts on the day that the pupil would normally have a timetabled science lesson. Lessons will consist of a Loom video which will introduce the lesson. Pupils may then be directed to an Oak Academy lesson to follow or the lesson may continue within the Loom video. Pupils will be instructed to pause the video and complete tasks during the videos.

### 3. Physical work pack resources

All pupils have been given a guided revision and practice workbook. These are intended to be used to either supplement the learning taking place in the video lessons or to be used where pupils do not have internet access. If pupils do not have internet access, details of the pages to be covered are included on the half termly Learning Journey letter which is posted home. These letters can also be found on the Home Learning section of the website.

### 4. Timescales

Pupils should try to complete tasks on the day they are issued. Teachers will review work submitted two days after the date the task was issued.

### 5. How students will receive feedback

Pupils will receive two stamps for tasks they have attempted and ten stamps for work that is submitted to the expected standard. Once per fortnight, pupils will receive feedback from their teacher. The feedback could focus on an area of success or an area that could be improved. The feedback could be written or be in a Loom video. Any pupils who do not have internet access and are completing the workbook pages should pass their workbook to their teacher on their return to school. The teacher will then issue stamps for the work completed.