

Subject:- SCIENCE

Year 7:- Please note: Science in Year 7 is taught on a ROTA.

Purpose and intent of Year 7 Science at Thomas Adams: Engaging, enjoyable, and relevant; practical Science; literacy and numeracy skills; introducing the 'Language of Science'; praise and recognition of pupil achievement

Range of topics covered in Year 7, to include: Cells, Reproduction, Variation, Acids, Reactions, Particles and Solutions, Energy, Electricity, Forces, Rocks, Ecology and Waves – the exact topics will depend on the particular group being taught.

May 2020 – it is likely that your child will have moved onto a different topic in Science, but the methods of accessing and completing the work will remain the same.

Pupils will continue to broadly follow topics that they would have followed in school, in order to avoid repetition and maintain progress on new topics. This will be done through worksheets, video clips, open-ended 'project style' tasks, or any other medium deemed suitable by the classroom teacher. The majority of work will be set through the **Assignments** feature on **Microsoft Teams** – this is where pupils can also access **feedback** about their work.

Year 8:- Please note: Science in Year 8 is taught on a ROTA.

Purpose and intent of Year 8 Science at Thomas Adams: Science theory and knowledge; developing practical skills; increased Scientific content; praise and recognition of pupil achievement

Range of topics covered in Year 8, to include: Body, Health, Ecology, Atoms, Compounds, Mixtures, Heat, Waves and Forces – the exact topics will depend on the particular group being taught.

May 2020 – it is likely that your child will have moved onto a different topic in Science, but the methods of accessing and completing the work will remain the same.

Pupils will continue to broadly follow topics that they would have followed in school, in order to avoid repetition and maintain progress on new topics. This will be done through worksheets, video clips, open-ended 'project style' tasks, or any other medium deemed suitable by the classroom teacher. The majority of work will be set through the **Assignments** feature on **Microsoft Teams** – this is where pupils can also access **feedback** about their work.

Year 9:- Please note: Science in Year 9 is taught on a ROTA.

Purpose and intent of Year 9 Science at Thomas Adams: Higher Level concepts; Stepping Up to GCSE; Science Capital - encouraging a 'buy in' to Science, and making it relevant; praise and recognition of pupil achievement

Range of topics covered In Year 9, to include: Inheritance, Plants, Metals, Reactivity, Energy and Space – the exact topics will depend on the particular group being taught.

May 2020 – it is likely that your child will have moved onto a different topic in Science, but the methods of accessing and completing the work will remain the same.

Pupils will continue to broadly follow topics that they would have followed in school, in order to avoid repetition and maintain progress on new topics. This will be done through worksheets, video clips, open-ended 'project style' tasks, or any other medium deemed suitable by the classroom teacher. The majority of work will be set through the **Assignments** feature on **Microsoft Teams** –

this is where pupils can also access **feedback** about their work. There will be some tasks set that are **GCSE based** for Year 9, to provide a bridge into GCSE Science in Year 10 – teachers may set tasks of this nature as appropriate to the class.

Year 10:-

Purpose and intent of Year 10 Science at Thomas Adams: Separate GCSE Science disciplines, taught by specialists, emphasising practical skills; accessible approach, using the Science Capital that pupils bring with them; a 'tiered' approach across TRIPLE, COMBINED and AAP (Adams Apprenticeship Programme); PRAISE and RECOGNITION for pupil achievement; Gifted & Talented plus AAP provision

Range of topics covered in Year 10, to include: Biology Units B2, B3 and B4; Chemistry Units C3, C4, and C5; Physics Units P2, P3 and P4 (OCR Combined Science 9-1 ... link below) – the exact topics will depend on the particular group being taught.

Curriculum link: <https://www.ocr.org.uk/qualifications/gcse/gateway-science-suite-combined-science-a-j250-from-2016/>

This will take you to the specification to OCR GCSE Combined Science Gateway (9-1).

Pupils will continue to broadly follow topics that they would have followed in school, in order to avoid repetition and maintain progress on new topics. This will be done through worksheets, video clips, open-ended 'project style' tasks, or any other medium deemed suitable by the classroom teacher. The majority of work will be set through the **Assignments** feature on **Microsoft Teams** – this is where pupils can also access **feedback** about their work.

May 2020 update: As we near the time where pupils in Y10 may have an opportunity to return to school before the Summer Holidays, pupils should now have accessed work for Biology, Chemistry and Physics. (They will now be beginning their third subject, depending on the rota of groups). The Science Department is beginning to develop some generic 'catch-up' lessons that will be in place for when pupils do return to school. These will cover some KEY GCSE Curriculum Threads, so pupils can feel confident that their learning is progressing towards GCSE exams in May 2021. (All of this is pending Government guidelines and updates, and whole-school provision will be determined accordingly.)