

# Year 11 combined science- Curriculum Overview

## Biology

| Half Term:               | Autumn 1  | Autumn 2  | Spring 1  | Spring 2                               | Summer 1 & 2                             |
|--------------------------|---|---|---|--|--|
| Topics:                  | 4.5 Homeostasis & response                                    | 4.5 Homeostasis & response<br>4.6 Inheritance, Variation & Evolution                          | 4.6 Inheritance, Variation & Evolution  | 4.6 Inheritance, Variation & Evolution | Revision and exams                       |
| Assessment & End Points: | Homeostasis & Response STAR assessment<br>RP6 – Reaction time | Homeostasis & Response test.<br>Inheritance, Variation & Evolution STAR question<br>Mock exam | Inheritance, Variation & Evolution test<br>RP7 – Sampling<br>STAR question<br>Mock exam | STAR assessment                        | Exam-style questions for all GCSE topics |

## Chemistry

| Half Term:               | Autumn 1  | Autumn 2  | Spring 1   | Spring 2  | Summer 1 & 2                              |
|--------------------------|---|---|--|---|---|
| Topics:                  | 5.3 Quantitative Chemistry  | Revision of Unit 5.1 – 5.5<br>5.1 Atomic structure and the periodic table<br>5.2 Bonding, structure, and the properties of matter<br>5.3 Quantitative chemistry<br>5.4 Chemical changes<br>5.5 Energy changes   | 5.7 Organic chemistry<br>Revision of Unit 5.6 -5.10<br>Revision of Unit 5.6 – 5.10<br>5.6 The rate and extent of chemical change<br>5.7 Organic chemistry<br>5.8 Chemical analysis<br>5.9 Chemistry of the atmosphere<br>5.10. Using resources | Revision of Unit 5.6 – 5.10<br>5.6 The rate and extent of chemical change<br>5.7 Organic chemistry<br>5.8 Chemical analysis<br>5.9 Chemistry of the atmosphere<br>5.10. Using resources | Revision and exams                        |
| Assessment & End Points: | Quantitative Chemistry Test.<br>Quantitative Chemistry STAR question. | STAR Task: The History of the atom<br>STAR Task: Development of the periodic table<br>STAR Task: Ionic structures<br>STAR Task: Structures summary<br>STAR Task: Extraction of metals<br>STAR Task: Electrolysis<br>STAR Task: Energy in reactions<br>Mock exam | Organic Chemistry Test<br>STAR Task: Rates practical<br>STAR Task: Fractional Distillation of crude oil<br>STAR Task: Chromatography<br>STAR Task: Carbon footprint<br>STAR Task: Water treatment<br>Mock exam                                 | STAR Task: Rates practical<br>STAR Task: Fractional Distillation of crude oil<br>STAR Task: Chromatography<br>STAR Task: Carbon footprint<br>STAR Task: Water treatment                 | Exam-style questions for all GCSE topics. |



# Year 11 combined science- Curriculum Overview

Physics

| Half Term:               | Autumn 1                     | Autumn 2  | Spring 1                 | Spring 2                             | Summer 1 & 2                              |
|--------------------------|------------------------------|---|--------------------------|--------------------------------------|---|
| Topics:                  | 4.5 Forces and Motion Part 1 | 4.5 Forces and Motion Part 2                        | 4.6 Waves                | 4.7. Electromagnetism                | Revision and exams                        |
| Assessment & End Points: | STAR assessed question       | Forces and Motion Test<br>Mock exam<br>RP7 - $F=Ma$ | Mock exam<br>RP8 - Waves | Waves Test<br>STAR assessed question | Exam-style questions for all GCSE topics. |