

Temperance Term

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | HALF TERM |
|--|--|--------|--------|--------|--------|--------|---|--------|-----------|
| Topic | P7- Magnetism and Electromagnetism | | | | | | Revision: P1- Energy | | |
| Challenge Objective and Content (for all learners) | P7-Explain how electromagnetic effects are used in a variety of devices -Describe the differences between permanent and induced magnetism Draw the magnetic field pattern of a bar magnet -Describe how the magnetic effect of a current can be demonstrated | | | | | | P1 - There are changes in the way energy is stored when a system changes. Students should be able to describe all the changes involved in the way energy is stored when a system changes, for common situations. | | |
| Inspire Opportunities | Show that Fleming's left-hand rule represents the relative orientation of the force, the current in the conductor and the magnetic field | | | | | | Grade 7-9 questions. | | |
| Assessment Opportunities | End of Topic Tests | | | | | | Exam questions. | | |

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | CHRISTMAS |
|--|---|--------|---|--|-----------------------------|--------|-----------|
| Topic | Revision: P2- Electricity | | Revision: P3- Particle Model of Matter | Revision: P4- Atomic Structure | Mock Exams (Paper 1) | | |
| Challenge Objective and Content (for all learners) | P2-Describe how to calculate resistance and the factors which can alter it. Describe how electricity is delivered to our homes and businesses. | | P3 – Use the particle model to predict the behaviour in solids, liquids and gases. | P4 – Describe the structure of the atom, the nuclear forces and atom stability. | | | |
| Inspire Opportunities | Grade 7-9 questions. | | Grade 7-9 questions. | Grade 7-9 questions. | | | |
| Assessment Opportunities | Exam questions. | | Exam questions. | Exam questions. | | | |

Justice Term

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | HALF TERM |
|--|--|--------|---|--------|---|---|------------------|
| Topic | Revision: P5- Forces | | Revision: P6 Waves | | Revision: P7- Magnetism and Electromagnetism | Revision: P8 Space Physics | |
| Challenge Objective and Content (for all learners) | P5 Identify and measure forces acting on objects | | P6-Show how changes in velocity, frequency and wavelength, in transmission of sound waves from one medium to another, are inter-related | | P7-Explain how electromagnetic effects are used in a variety of devices | P8-Explain the evidence for the expanding universe and the life cycle of a star | |
| Inspire Opportunities | Grade 7-9 questions. | | Grade 7-9 questions. | | Grade 7-9 questions. | Grade 7-9 questions. | |
| Assessment Opportunities | Exam questions. | | Exam questions. | | Exam questions. | Exam questions. | |

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | EASTER |
|--|-----------------------------|----------------------|--|--------|--|--------|---------------|
| Topic | Mock Exams (Paper 2) | Science Skills | Revision: P1- Energy | | Revision: P2- Electricity | | |
| Challenge Objective and Content (for all learners) | | | P1 - There are changes in the way energy is stored when a system changes. Students should be able to describe all the changes involved in the way energy is stored when a system changes, for common situations. | | P2-Describe how to calculate resistance and the factors which can alter it. Describe how electricity is delivered to our homes and businesses. | | |
| Inspire Opportunities | | Grade 7-9 questions. | Grade 7-9 questions. | | Grade 7-9 questions. | | |
| Assessment Opportunities | | Exam questions. | Exam questions. | | Exam questions. | | |

Courage Term

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | HALF TERM |
|--|---|--------|--|--------|--|------------------|
| Topic | Revision: P3- Particle Model of Matter | | Revision: P4- Atomic Structure | | Science Skills | |
| Challenge Objective and Content (for all learners) | P3 – Use the particle model to predict the behaviour in solids, liquids and gases. | | P4 – Describe the structure of the atom, the nuclear forces and atom stability. | | | |
| Inspire Opportunities | Grade 7-9 questions. | | Grade 7-9 questions. | | Grade 7-9 questions. | |
| Assessment Opportunities | Exam questions. | | Exam questions. | | Exam questions. Physics Paper 1 - 22 nd May | |

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | SUMMER |
|--|---|--------|--------|--------|--------|--------|---------------|
| Topic | Study Leave | | | | | | |
| Challenge Objective and Content (for all learners) | | | | | | | |
| Inspire Opportunities | | | | | | | |
| Assessment Opportunities | Physics Paper 2 – 16 th June | | | | | | |