

KS4 Physics – Year 10

| | Topics Covered | Assessment |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <p>YEAR 10 AUTUMN TERM</p> <p>Weeks – 1-15</p> <p>5th September – 21st December 2016</p> | <p>ENERGY</p> <ul style="list-style-type: none"> - Energy stores and systems - Changes in energy - Energy changes in systems - Power - Conservation and dissipation of energy - Efficiency - National and global energy resources <p>ELECTRICITY</p> <ul style="list-style-type: none"> - Standard circuit symbols - Electrical charge and current - Current, resistance and potential difference - Resistors - Series and parallel circuits - Domestic uses and safety | <p>Graded homework</p> <p>In-class assessments</p> <p>Formal PT1 examination</p> |
| <p>Year 10 Spring Term</p> <p>Weeks – 16-26</p> <p>9th January – 31st March 2017</p> | <p>PARTICLE MODEL OF MATTER</p> <ul style="list-style-type: none"> - Changes of state and the particle model - Internal energy and energy transfers - Particle model and pressure | <p>Graded homework</p> <p>In-class assessments</p> <p>Formal PT2 examination</p> |
| <p>Year 10 SUMMER TERM</p> <p>Weeks – 27-39</p> <p>17th April – 21st July 2017</p> | <p>ATOMIC STRUCTURE</p> <ul style="list-style-type: none"> - Atoms and isotopes - Atoms and nuclear radiation <p>FORCES</p> <ul style="list-style-type: none"> - Forces and their interactions - Work done and energy transfer - Forces and elasticity | <p>Graded homework</p> <p>In-class assessments</p> <p>Formal PT3 examination (mock C1 Exam)</p> |

Progress Tracking Assessment dates

PT1: 14th- 18th November 2016

PT2: 23rd January to 3rd February 2017

PT3: 19th to 30th June 2017

