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| **Year:** | **10** | **Unit:**  | **Energy** |
| **Subject:** | **Physics** | **Assessment:**  | **Data Test** |
| **LG** | **LEARNING GOALS and SUCCESS CRITERIA** | **Where is this in my notebook?** |
| **1**9 Lessons | **SC1** | * I can **recall** the SI units for Length, Mass, Time, Temperature, Energy, and Power.
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| **SC2** | * I can apply the four equations of motion and Newton’s second law
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| **SC3** | * I can **calculate** the amount of error and accuracy associated with different measuring devices such as rulers, callipers and micrometers.
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| **SC4** | * I can **calculate** the uncertainty of complex calculations based on the error in given measurements
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| **SC5** | * I can **use** scientific notation and metric prefixes to represent very large and very small values
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| **LG1** | **Students will manipiulate data in an accurate and detailed manner and consider uncertainty associated with the data (DATA ANALYSIS)** |  |
| **2**4 lessons | **SC6** | * I can **analyse** graphs to **identify** relationshipsbetween the variables.
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| **SC7** | * I can **modify** data to linearize a graph
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| **SC8** | * I can **construct** a trend line from data points on a graph
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| **SC9** | * I can **construct** error bars on a graph
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| **SC10** | * I can **evaluate** the accuracy of a trend line using error bars.
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| **SC11** | * I can conduct an experiment to calculate the acceleration due to gravity of a falling object and the associated uncertainty
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| **SC12** | * I can identify the relationship between an objects height and the time it takes to fall
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| **LG 2** | **Students will understand the equations of motion that related to a moving object undergoing constant acceleration (LINEAR MOTION)** |
| **3**4 Lessons | **SC13** | * I can **recall** the law of conservation of energy
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| **SC14** | * I can use the specific heat capacity of water to **calculate** the amount of energy in a substance
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| **LG 3** | **Students will understand the concepts of energy (ENERGY)** |  |