|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| A black and white logo  Description automatically generated**Year** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **7** | * Behaviour of Matter: The Particle Model * Objects Effects on Other Objects: Changing Shape * Building Blocks of Life: Animal Cells | * Behaviour of Matter: The Atom * Beyond Earth: Astrophysics | * Behaviour of Matter: Changing State * The Human Body: Breathing | * Chemical Reactions: Types of Reaction. * Our Earth: The Cycles | * Building Blocks of Life: Reproduction * The Human Body: Healthy Living | * Behaviour of Matter: Purity * Beyond Earth: The Space Race |
| **Assessment Method** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **End of Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** |
| A black and white logo  Description automatically generated  **Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** | | | | | |
| **8** | * Chemical Reactions: Types of Reaction * Objects Effect on Other Objects: Changing Shape * Chemical Reactions: The pH Scale. | * The Human Body: Digestion * Our Earth: The Atmosphere * Behaviour of Energy: Principles of Energy | * Behaviour of Energy: Heating and Cooling. * Building Blocks of Life: Respiration * Behaviour of energy: Energy in the Home. | * Building Blocks of Life; Plant Cells * Objects Effects on Other Objects: Electrical Circuits | * Behaviour of Energy: Mechanical Waves. * Objects Effects on Other Objects: Forces and Motion | * Interaction of Life: Photosynthesis * Behaviour of Matter: The Periodic Table * Object Effects on Other Objects: Changing Forces. |
| **Assessment Method** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** |
| A black and white logo  Description automatically generated  **Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** | | | | | |
| **9** | * The Human Body: Healthy Living * Behaviour of Matter: The Periodic Table * The Human Body: Digestion | * Objects Effects on Other Objects: Magnetism * Interaction of Life: Interdependence | * Objects Effects on Other Objects: Gas Pressure * Chemical Reactions: Reactivity of Metals * Behaviour of Energy: Light | * Beyond Earth: Looking Outwards * Object Effects on Other Objects: Static Electricity * Building Blocks of Life: Inheritance and Evolution | * Transition: Cell Biology * Transition: Atomic Structure and the Periodic Table | * Transition: Energy * Transition: Ecology |
| **Assessment Method** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** | **Formal Assessment using an Unit Exam** |
| A black and white logo  Description automatically generated  **Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** | | | | | |
| **10** | **Organisation**   * How are substances transported in animals and plants?   **Structure, Bonding and Properties**   * How do substances behave and why?   **Particles, Atoms and Radiation**   * How is matter arranged and can we predict how it behaves?   **Infection and Response**   * How do pathogens make us ill? * How do our bodies defend against pathogens? | | **Chemical Changes**   * What are the different types of reactions? * How can we predict the products of reactions?   **Bioenergetics**   * What are the vital reactions that occur in organisms?   **Electricity**   * How do we produce and use electricity?   **Energetics**   * How is energy transferred during a chemical reaction? | | **Homeostasis and Response**   * How do our bodies respond to changes in our environment?   **Monitoring reactions**   * How can we monitor and control the rate of a reaction?   **Magnetism**   * How do objects interact with magnetic fields?   **Inheritance**   * How do we inherit characteristics and how do organisms evolve?   **Rates of Reaction**   * How can we monitor and control chemical reactions? | |
| **Assessment Method** | **End of Unit Exam** | **End of Unit Exam** | **End of Unit Exam** | **End of Unit Exam** | **End of Unit Exam** | PPE |
| A black and white logo  Description automatically generated  **Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** | | | | | |
| **11** | **Forces**   * How do forces impact the world around us?   **Inheritance**   * How do we inherit characteristics? * How do organisms evolve over time?   **Organic Chemistry**   * How do we extract and use fuels?   **Waves**   * How do waves transit energy? | | **Electromagnetism**   * How are electromagnetic used?   **Ecology**   * How do human actions impact ecosystems?   **Using Resources**   * How are raw materials processed and how does this impact our environment? | |  | A black and white logo  Description automatically generated |
| **Assessment Method** | **End of Unit Exam** | PPE |  | PPE | GCSEs | GCSEs |
| A black and white logo  Description automatically generated  **Opportunities** | ***Recall, Explicit Tier 3 Language, Reading Presentations and Science Articles, Knowledge Organisers, Homework Tasks, Careers information*** | | | | | |