

AutumnLow Starters- Year 9 Curriculum Map

Key Idea

Knowledge

Focused assessed skill

Organisation of the human body.



Explore cells, tissues, organs and Organ systems.

Do

To use microscopes and models to explore cells and tissue.

Particle theory

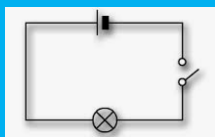


Explore particle theory and mixtures.

Do

To investigate and record the temperature at which change of state happens?

Electricity



Explore measuring in different types of circuits.

Record

To measuring current in a circuit.

Digestion



Explore Food tests and the role of the digestive organs.

Plan

To plan how to investigate test foods.

SpringLow Starters- Year 9 Curriculum Map

Key Idea

Knowledge

Focused assessed skill

Periodic table



Explore the periodic table.

Communicate/review

To describe properties of groups of elements.

Universe



Explore what the solar system and universe.

Communicate/review

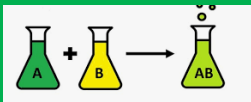
To research and present information on the solar system or universe.

Respiratory and
circulatory system.

Explore breathing and respiration.

Record and present

To record results from a heart rate investigation on types of exercise.

Chemical reactions and
metals

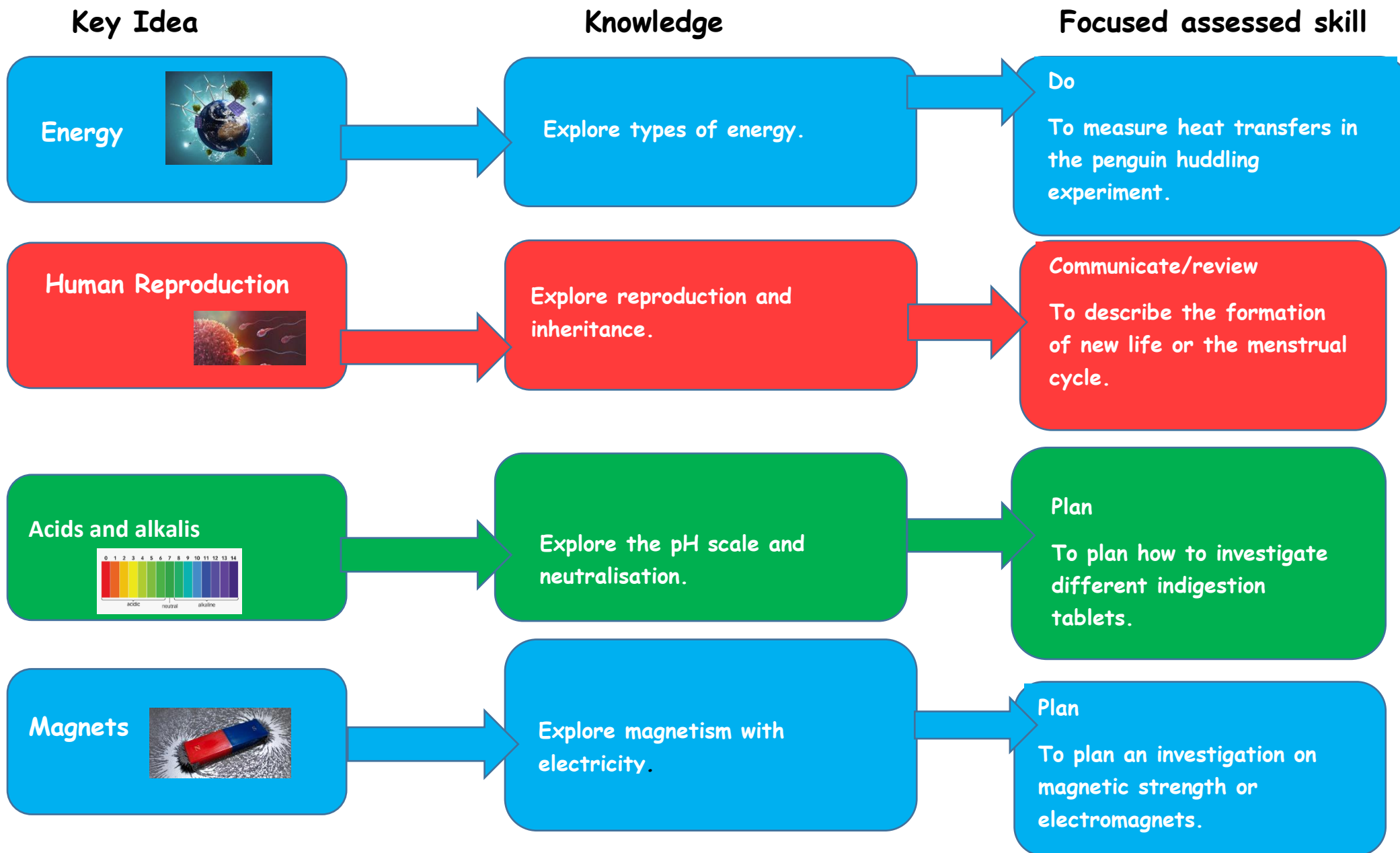
Explore different chemical reactions.

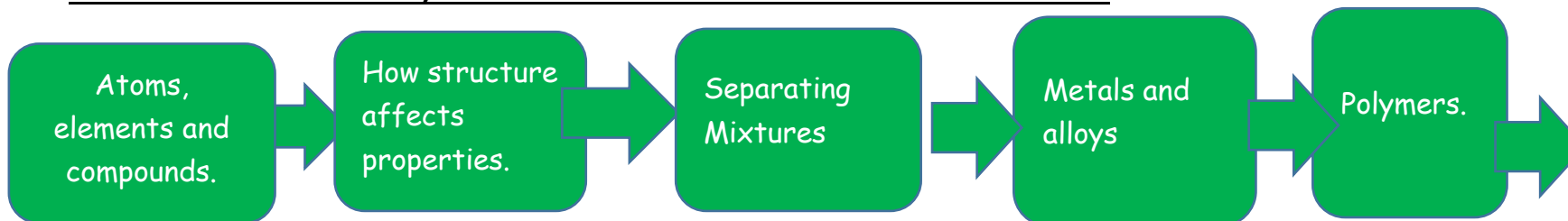
Do

To investigate exo and endothermic reactions.

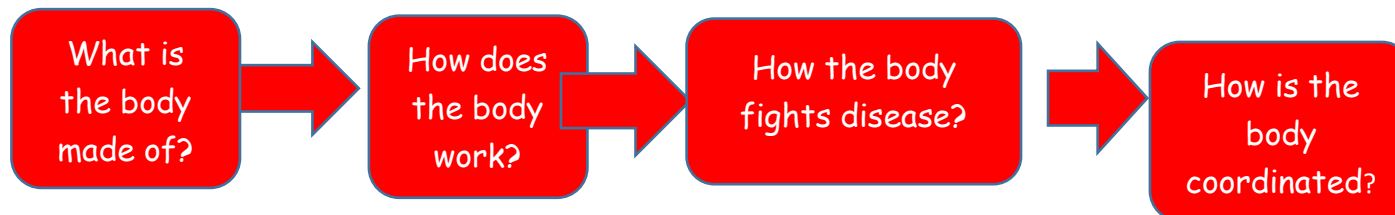
Summer

Low Starters- Year 9 Curriculum Map

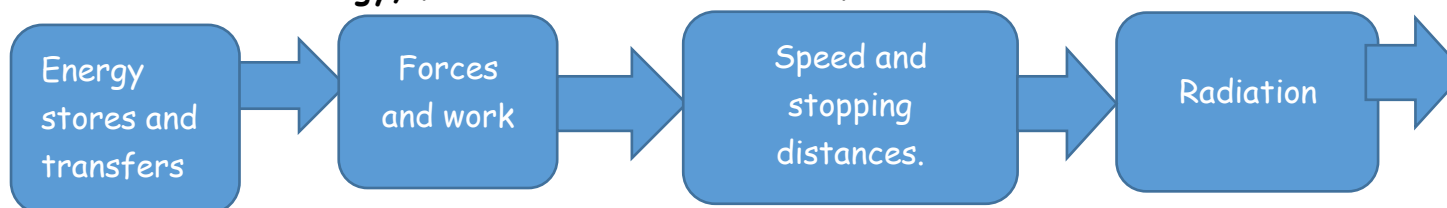


Low Starters- Year 10 Curriculum Map Entry Level**Autumn Year 10 - Atoms, elements and mixtures.****End point**

1. Externally set end of unit test paper, marked out of 20.
2. Teacher devised assessment on experimental design marked out of 15.

Spring year 10 - The human body**End point**

1. Externally set end of unit test paper, marked out of 20.
2. Teacher devised assessment on experimental design marked out of 15.

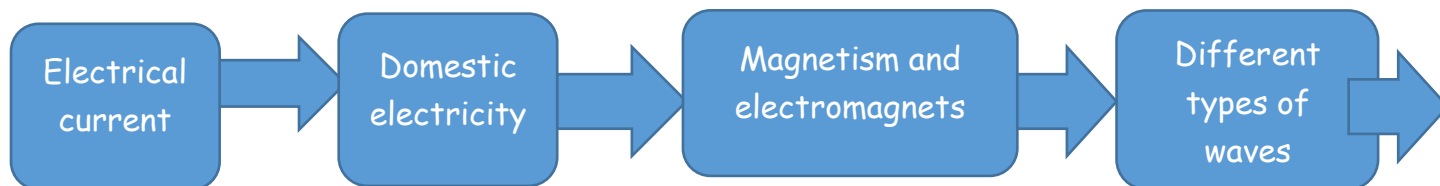
Summer Year 10 Energy, forces and the structure of matter**End point**

1. Externally set end of unit test papers, marked out of 20.
2. Teacher devised assessment on experimental design marked out of 15.

"The teacher will use assessment to determine which of the units below will lead to the best outcomes for pupils. This decision may vary from year to year and will take into account both attendance and outcomes across each science discipline from Year 10

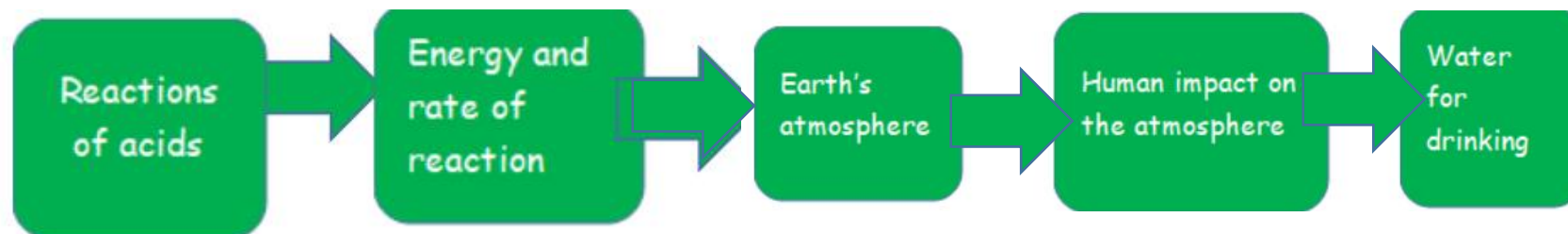
Autumn year 11

Electricity, Magnetism and waves.



End point

1. Externally set end of unit test paper, marked out of 20.
2. Teacher devised assessment on experimental design marked out of 15.



Spring year 11

Students will complete units from the Unit Award Scheme (UAS). Learners are rewarded with a certificate each time they successfully complete a unit of learning. They can build up a portfolio of certificates to evidence their skills, knowledge and experience.

Space - Entry Level

In successfully completing this unit, the learner will have	Evidence needed
Experienced 1. Watching a documentary on how day and night and the seasons occur	Summary sheet Student completed work
Demonstrated the ability to 2. Create a poster giving key information about at least two components of our solar system.	
Shown knowledge of 3. What causes day and night	
4. What causes the seasons	
5. The names of the planets in order from the Sun.	

Introduction to the skeleton - Entry level

In successfully completing this unit, the learner will have	Evidence needed
Demonstrated the ability to	Student completed work Summary sheet
1. Name at least six main bones, eg tibia, femur	
2. Identify where these bones can be found in the body	
3. Name three types of joint and locate their position in the body	
4. Assemble bones to make a skeleton	
Shown knowledge of	
5. The three main functions of the skeleton	
6. How the skeleton is made up.	

Ecosystems and Biodiversity

In successfully completing this unit, the learner will have	Evidence needed
Shown knowledge of	Summary sheet
1. The main components in food chains and food webs	
2. How energy flow is represented in food webs	
3. How interdependence affects the numbers of organisms in a food web	
4. The predator/prey relationships within an ecosystem	
5. The effects of habitat loss on ecosystems.	

Introduction to Hydroelectric power – Entry Level

In successfully completing this unit, the learner will have	Evidence needed
Shown knowledge of 1. The definition of the term 'hydroelectric power' 2. The definition of the term 'potential energy' 3. The key changes of state that can take place in energy 4. The key stages of how electricity is generated in a hydroelectric power station demonstrated the ability to 5. Design a simple machine powered by a water wheel 6. Make a simple water wheel.	Summary sheet

Introduction to oceans – Entry Level

In successfully completing this unit, the learner will have	Evidence needed
Experienced	Summary sheet and/or student completed work
1. Watching a documentary or informative video about oceans	
Demonstrated the ability to	
2. Describe at least two creatures living in the ocean, where they live, what they eat and how they survive	
3. Identify the oceans of the world, their location and their names	
4. Create two pieces of art based on the theme of oceans.	