## <u>Science</u>



Michaelmas 1	<u>Plants:</u>
	Identify and describe the anatomy of a plant
	Explain how a new plant forms.
	Describe reproduction in plants including fertilisation, types of pollination and types of dispersal.
	Photosynthesis:
	Identify the reactants and products for photosynthesis
	Recognise the word and symbol equations of photosynthesis
	Explain the uses for photosynthesis in a plant
	Separation Techniques:
	Explain and identify what a mixture is
	Describe different methods for separating mixtures
Michaelmas 2	Electricity:
	Identify and draw circuit symbols
	Describe the differences between series and parallel circuits
	Use formulas to calculate current, charge and voltage
	Respiration:
	Identify the reactants and products for the various types of respiration
	Recognise the word and symbol equations for each type of respiration
	Explain the importance of respiration
	Pressure, levers and moments:
	Describe what a lever is
	Explain what causes pressure to occur
	Calculate a moment using a given formula
Lenf I	Metals and non-metals:
	Identify metals and non-metals from the periodic table
	Describe properties of metals and non-metals
	Compare the uses of metals and non-metals based on their properties
	Health and alsease:
	Define the ferm pathogen and give examples
	Recognice substances that are hermful to the body and state the impact they can have
Lent 2	Meanotion:
202	Magnetisti in a stariala
	Describe the differences between a permanent, induced and electromagnet
	Explain the uses of magnetism
	Inheritance:
	Describe how physical characteristics are inherited and genes are passed on
	Identify how inheritance is studied
	Explain what variation is and how it occurs
Trinity 1	Reactivity series:
	Describe reactions of metals with water, acid and oxygen
	Describe what a displacement reaction is
	Use the reactivity series to predict elements positions
	Enzymes: Baview of the directive system
	Review of the digestive system  Evolution what an analyzing is and its function
	Explain what an enzyme is and its function
Trinity 2	Classification and evolution:
, 2	Identify how organisms are classified according to the Linnean system
	State and give examples of what different organisms compete for
	Explain the process of evolution by natural selection
	Rock cycle:

ldentify and define the three types of rock: igneous, sedimentary, metamorphic Give examples of each type of rock Explain how each type of rock forms