Triple Unit Overview – Sustainable development **Target grade for test:…….**

You will learn about:

- The Earth's resources and how we use them.
- Ways of recycling and why recycling is so important.

You will be able to:

- Use graphical analysis to support arguments and analyse water samples.

Key learning points	
Using the Earth's resources	
Potable water	
Wastewater treatment	
Metal extraction	
Recycling	
Corrosion	
Alloys	
Ceramics, polymers and composites	
The Haber process	
Fertilisers	

Links to other subjects:
SMSC: Understand and appreciate the impacts of human development on the environment and describe the effects that this is having. The need for clean water in all countries and the best ways to achieve that within local communities

Literacy: Describe and explain the use of the Earth's resources and how humans are impacting on this. Describe and debate the need for recycling.

Numeracy: Use decimal and standard form, use appropriate significant figures, construct tables and histograms, ratios, fractions, percentages and convert graphical form into numerical form to be used in argument writing.

Key Words

resources
sustainable
finite
potable
sedimentation
desalination
reverse osmosis
distillation
evaporation
condensation
purity
boiling point
sewage
anaerobic
aerobic
phytomining
bioleaching
hyperaccumulators
toxic metals
extracting
manufacture
disposal
recycling
limited resource
reduction of use
reuse of resources
corrosion
sacrificial protection
galvanising
electroplating
alloy

Research	Note-making	Group work & discussion	Memorisation	Precision & accuracy	Independence	Reflection