Teaching and Learning Content: Science
Year Group: 9
Summer Term 2

Whitley Academy

Climate and Resources
Students will investigate the contribution that natural and human chemical processes make to our carbon dioxide emissions and predict the method used for extracting metal based on its position in the reactivity series.

Home Learning:
Look-cover-write-check one knowledge organiser page every week. Ensure the content on the knowledge organiser is learnt in preparation for a quiz given by your classroom teacher.

Key Questions: (A list of key questions)
Climate and Resources

- How do we add carbon dioxide to our atmosphere?
- How does the greenhouse effect occur?
- What is the impact of global warming?
- What methods are there of extracting metals from underground?
- What is the reactivity series?
- How does the reactivity series of metals tell us how we extract the metal?

Diagnosis

& Smith Proforma

- Recall Quiz from knowledge organisers
- Short Diagnosis Test
- Feedback from teachers marking

Therapy

- DIRT lesson – Respond to teachers marking.
- Pixl 'Know It' slides and questions.

Students will: (Success Criteria)
Climate and Resources

- To describe how humans contribute to carbon dioxide emissions.
- To describe the greenhouse effect.
- To describe the impact of global warming
- To list the reactivity of metals
- To describe methods of extracting metals from underground.
- To link the reactivity series to methods of extraction.
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Testing

- Final end of topic test after each topic