Year 8 -SCIENCE **DISTANCE LEARNING**

Subject	**Science**	**Mode of teaching**
Class/ Division	**Year 8 A-F**	
Week	26 (21st Feb to 25th Feb 2021)	
No of lessons	4	
Unit	**8G Metals and their uses**	
Lesson 1 **Task** **Resources**	Chapter – **8Gd Quality Evidence** **LO**: How can we improve the quality of evidence? **Learning Outcomes:** • Identify the range of readings in an experiment. • Identify data that is repeatable, not repeatable, reproducible, not reproducible, reliable and not reliable. • Explain why repeatable, reproducible, reliable data is better quality. • Explain how to improve an investigation (using ideas of accuracy, repeatability, reproducibility, reliability). **Complete the text book questions 8Gd pages 108 & 109** Text book Exploring Science (Active Learn) Pages 108 & 109 Active learn slides and PowerPoint. Text book Exploring Science (Active Learn)	**Zoom lesson**
Lesson 2 **Task** **Resources**	Chapter – **8Gd Metals and Acids** **LO**: To know what happens when metals react with acids **Learning Outcomes:** • Describe the reactions of metals with acids • Place metals and carbon in order of reactivity as per their reaction with water and acids. • Realize how salts formed during a reaction of metals and acids are named • Write word and symbol equations for reactions. **Answer the textbook questions 8Gd pages 110 & 111** Text book Exploring Science (Active Learn) pages 110 & 111 Active learn slides and PowerPoint.	**Zoom**
Lesson 3	Chapter **8Ge Pure Metals and Alloys** **LO:** To know what makes alloys so useful. **Learning Outcomes:**	**Zoom**

Task **Resources**	• What is meant by a pure substance. • Identify the differences between a pure substance and a mixture • Explain what alloys are and why they are used • Use models to explain the properties of alloys Identify pure substances by their melting points and boiling points. **Complete the textbook Questions on pages 112 & 113** Exploring Science 8 International textbook pages 112 & 113	
Lesson 4 **Task** **Resources**	Reinforcement Chapters **8Gd & 8Ge** **LO**: Reinforcement of Metals' reactions with acids, pure metals and alloys. **Learning Outcomes:** • Explain how to improve an investigation (using ideas of accuracy, repeatability, reproducibility, reliability). • Realize how salts formed during a reaction of metals and acids are named • Write word and symbol equations for reactions. • Explain what alloys are and why they are used **Workbook Exploring Science 8 International pages 79 to 84** Workbook Exploring Science 8 International	**GC**

Homework – **Research and find the names of five alloys and write their uses in your notebook.**