DISTANCE LEARNING Year 7

Subject	Science	Mode of teaching
Class/ Division	Year 7 A-F	
Week	8 (10 th May to 14 th May)	
Total number of lessons per week	4	
Unit	7J Electricity	
Lesson 1	Chapter 7Jb Models for Circuits LO: How can we use models to help us to think about electricity? Learning Outcomes: Explain why models are used. Identify the parts of a physical model. Use a physical model to help explain electric circuits. Evaluate a physical model State what is meant by current.	Zoom Lesson
Task	Answer the text book questions.	
	1. 1. Text book Exploring Science (Active Learn) Pages pg 156 and 157	
Resources	Active learn slides and PowerPoint. Text book Exploring Science (Active Learn)	
Lesson 2	Chapter 7Jb Models for Circuits	
Task Resources	LO: How can we use models to help us to think about electricity? Learning Outcomes: Explain why models are used. Identify what the parts of a physical model represent. Use a physical model to help explain electric circuits. Evaluate a physical model State what is meant by current. Complete the Science worksheet file pages 32/7Jb4 Science worksheet file	Google classroom

Lesson 3	Chapter 7Jc Series and parallel circuits	
	LO: What are the difference between series and parallel circuits?	Zoom Lesson
	Learning Outcomes: State what is meant by a series circuit and a parallel circuit. Explain how switches can control different kind of circuits. Describe how changing the number or type of components in a circuits affects the current. Describe the differences in the current flow in series and parallel circuits.	
Task	Complete the text book questions.	
	Text book Exploring Science (Active Learn) Pages 158 and 159	
Resource	Active learn slides and PowerPoint. Text book Exploring Science (Active Learn)	
Lesson 4	Chapter 7Jc Building Series and Parallel Circuits Phet simulation Lab	Asynchronous Session
	LO: What are the difference between series and parallel circuits?	Session
	Learning Outcomes: State what is meant by a series circuit and a parallel circuit. Explain how switches can control different kind of circuits. Describe how changing the number or type of components in a circuits affects the current. Describe the differences in how current behaves in series and parallel circuits.	
Task	Students will have the opportunity to build simple series and parallel circuits in phet simulation lab. Students will be able to identify characteristics of each type of circuit, describe advantages and disadvantages of each, compare and contrast these two types of connections.	
Resources	https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_en.html	