

## Spring 2022/23 Future Skills Syllabus Grade 3

Meteorological Instruments			
Week		Term 1 Syllabus content	Note
1	Ask	<b>Project introduction – Context and problem to be solved.</b>	
2	Imagine	<b>Research. What causes weather, how do we forecast?</b>	
3	Imagine	<b>How do we record data?</b>	
4	Imagine	<b>How do weather instruments work? Anemometer, Wind Vane, Barometer, Rain Gauge</b>	
5	Plan	<b>Imagine – Review the material, project brief and design constraints for your weather station.</b>	
6	Plan	<b>Plan &amp; Draw – Look at the material and design your Weather Station.</b>	
7	Create	<b>Create – Build according to your design.</b>	
8	Create	<b>Create – Build according to your design.</b>	
9	Test	<b>Test – See if your prototype can measure according to your prediction.</b>	
10	Present	<b>Record and share – Present your findings to your class as recorded in your Future Skills report.</b>	
Micro Grid			
Week		Term 2 Syllabus content	
11	Ask	<b>Project introduction – Context and problem to be solved.</b>	
12	Imagine	<b>Research - How to Make a Battery. Inquiry - Graphite Circuit.</b>	
13	Imagine	<b>Research - How to Make a Light Bulb. Inquiry - Paper Circuit.</b>	
14	Imagine	<b>Inquiry - Simple Circuit. Inquiry - Series Circuit.</b>	
15	Plan	<b>Inquiry - Parallel Circuit. Select structure and circuit design. Study material and brainstorm.</b>	
16	Plan	<b>Finalize structure and circuit design with fully labeled sketches.</b>	

17	Create	<b>Put the circuit together, reflect on progress and make necessary adjustments.</b>	
18	Create	<b>Put the circuit together, reflect on progress and make necessary adjustments.</b>	
19	Test	<b>Observe and test the circuit to see if it lights up the structure.</b>	
20	Present	<b>Record and share – Present your findings to your class as recorded in your Future Skills report.</b>	