Part 5 Chemical change

Activity No	Activity Name	Lesson type	Activity Description
5.1	Some chemical changes	Engage Hands-on Medium	Students conduct a series of experiments, observing different examples of chemical reactions.
5.2	Observing reactions	Explore & Explain Hands-on Medium	Students observe a further range of chemical reactions to extend their knowledge of observations linked to chemical changes.
5.3	Reactants and products	Explore & Explain Hands-on Medium	Students conduct a series of experiments to observe chemical reactions. They will identify the reactants and products, and write the word equations for the reactions.
5.4	Some natural reactions	Explain Digital Medium	Students discover some natural reactions – photosynthesis and corrosion.
5.5	Investigating some useful reactions	Elaborate Hands-on Long	Students can make one or more of the following polymers – plastic, glue or rubber.
5.6	A rusty problem	Explore & Explain Hands-on Long	Students conduct investigations to answer the question '*What is rust?*'
5.7	Preventing rust	Elaborate & Evaluate Hands-on Medium	Students conduct an investigation to answer '*How do we prevent the corrosion of iron?*' They will also investigate how sacrificial anodes prevent rusting.

Activity No	Activity Name	Lesson type	Activity Description
5.8	Do other metals corrode like iron?	Elaborate Hands-on Long	Students design and conduct investigations to answer the question *'Do other metals corrode like iron?'*
5.9	Chemical hazards	Elaborate Digital Short	Students watch short video clips to reflect on the impact of toxic particles in the air, and consider safety precautions when dealing with chemicals.
5.10	Sample test	Evaluate Classroom Medium	A sample summative test and marking scheme is available to teachers by request from Science by Doing (sbd@science.org.au). You may need to adapt the test to the needs of your students.

OPTIONAL

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