

# Curriculum Links

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Year 8

Chemical reactions involve rearranging atoms to form new substances; during a chemical reaction mass is not created or destroyed.

Chemical reactions, including combustion and the reactions of acids, are important in both nonliving and living systems and involve energy transfer

Chemical change involves substances reacting to form new substances

Year 9

Investigates a variety of chemical changes

Year 10

Different types of chemical reactions are used to produce a range of products and can occur at different rates

	Demonstrated inquiry	Prescribed inquiry	Structured inquiry	Guided inquiry	Open inquiry
Questions	No question	Teacher provides question	Learner sharpens question	Learner selects question	Learner poses questions
Plans	No planning	Teacher provides procedure	Teacher discusses possible plans	Learner guided while planning	Learner determines plans
Conducts	Teacher conducts	Learner told how to conduct and record	Learner sharpens plan and conducts	Learner guided while conducting and recording	Learner conducts and records
Analyse	Teacher analyses	Learner told how to analyse data	Teacher discusses possible analyses	Learner guided in analysis	Learner analyses data identifying trends
Problem Solve	No problem solving	Teacher provides reasoning and links	Teacher discusses reasoning and conclusion	Learner guided in reasoning and formulate conclusion	Learner reasons to formulate conclusions
Communicate	No conclusion	Teacher writes conclusion	Learner writes conclusion	Learner guided on justifying findings and communicating	Learner justifies findings and conclusions