

## Unit at a glance

## Change detectives

Phase	Lesson	At a glance
<b>ENGAGE</b>	<b>Lesson 1</b> Mess scene investigation	To capture students' interest and find out what they think they know about changes that occur to materials in their everyday lives.  To elicit students' questions about why certain changes occur and whether or not they are easily reversible.
<b>EXPLORE</b>	<b>Lesson 2</b> Purely physical <b>Session 1</b> Mostly melting <b>Session 2</b> Playing particles <b>Session 3</b> Evocative evaporation	To provide students with hands-on, shared experiences of melting and evaporation, and a model used to represent them.
	<b>Lesson 3</b> Slippery solutions <b>Session 1</b> Delightful dissolving <b>Session 2</b> Gas bags	To provide students with hands-on, shared experiences of dissolving and a chemical reaction in water.
	<b>Lesson 4</b> Candle capers	To provide students with hands-on, shared experiences of burning candles.
<b>EXPLAIN</b>	<b>Lesson 5</b> Classifying changes	To support students to represent and explain their understanding and observations of physical and chemical changes.  To introduce current scientific views about physical and chemical changes.
<b>ELABORATE</b>	<b>Lesson 6</b> Fizz whiz	To support students to plan and conduct an investigation of the factors that affect the rate of reactions.
<b>EVALUATE</b>	<b>Lesson 7</b> Intrepid reporters	To provide opportunities for students to represent what they know about physical and chemical changes and to reflect on their learning during the unit.

A unit overview can be found in Appendix 8, page 80.