

Unit at a glance

Smooth moves

Phase	Lesson	At a glance
ENGAGE	Lesson 1 Games galore	To capture students' interest and find out what they think they know about forces and motion. To elicit students' questions about different-sized forces, forces that act at a distance and in direct contact and their effect on objects.
EXPLORE	Lesson 2 Making moves	To provide hands-on, shared experiences of different-sized forces acting on an object.
	Lesson 3 Feeling friction	To provide hands-on, shared experiences of the force of friction (a force which acts through direct contact).
	Lesson 4 Faraway forces	To provide hands-on, shared experiences of the force of gravity (a force which acts at a distance).
EXPLAIN	Lesson 5 Figuring out forces	To support students to represent and explain their understanding of forces and motion. To introduce current scientific views about forces and motion.
ELABORATE	Lesson 6 Catapult capers	To support students to plan and conduct an investigation to compare the effect of different sized forces on the motion of objects.
EVALUATE	Lesson 7 Forces finale	To provide opportunities for students to represent what they know about forces and motion and to reflect on their learning during the unit.

A unit overview can be found in Appendix 8, page 54.