



# STUDY GUIDE

Year 8 Science

TERM 4

## Assessment

Task  
Inquiry report  
End of Chapter Test

End of a chapter  
End of a chapter  
End of chapter

Chapter	Content Description	Elaborations
<b>Minerals</b> Chapter 9 (2 weeks)	Sedimentary, igneous and metamorphic rocks contain minerals and are formed by processes that occur within Earth over a variety of timescales (ACSSU153)	<ul style="list-style-type: none"><li>★ recognise that rocks are a collection of different minerals</li><li>★ recognise that some rocks and minerals, such as ores, provide valuable resources</li><li>★ consider the role of forces and energy in the formation of different types of rocks and minerals</li></ul>
<b>Energy</b> Chapter 10 (5 weeks)	Energy appears in different forms including movement (kinetic energy), heat and potential energy, and causes change within systems (ACSSU155)	<ul style="list-style-type: none"><li>★ recognise that kinetic energy is the energy possessed by moving bodies</li><li>★ recognise that potential energy is stored energy, such as gravitational, chemical and elastic energy</li><li>★ investigate different forms of energy in terms of the effects they cause, such as gravitational potential cause objects to fall and heat energy transferred between materials that have a different temperature</li><li>★ recognise that heat energy is often produced as a by-product of energy transfer, such as brakes on a car and light globes</li><li>★ use flow diagrams to illustrate changes between different forms of energy</li></ul>