

# **NATURAL SCIENCES & TECHNOLOGY**

**GRADE 4 TERM 3**

**Tracker**



Week 1											
CAPS Concepts and Activities	CAPS Page no.	Year:					Year:				
		Class					Class				
		Date Completed					Date Completed				
Week 1 Lesson A											
<b>Topic: Energy and energy transfer</b> <b>Content &amp; Concepts: Energy for life</b> <ul style="list-style-type: none"> <li>• We use energy for everything we do</li> </ul>	23										
Week 1 Lesson B											
<b>Topic: Energy and energy transfer</b> <b>Content &amp; Concepts: Energy for life</b> <ul style="list-style-type: none"> <li>• We get our energy from food</li> </ul>	23										
Week 1 Lesson C											
<b>Topic: Energy and energy transfer</b> <b>Content &amp; Concepts: Energy for life</b> <ul style="list-style-type: none"> <li>• Energy in our food comes from the Sun (plants use the energy from the Sun to make food for themselves and for animals and people)</li> </ul>	23										
Reflection											
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Think about and make a note of: What went well? What did not go well? What did the learners find difficult or easy to understand or do? What will you do to support or extend learners? Did you cover all the work set for the week? If not, how will you get back on track?						What will you change next time? Why?					
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Week 2											
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Week 2 Lesson A											
<b>Topic: Energy and energy transfer</b> <b>Content &amp; Concepts: Energy from the Sun</b> <ul style="list-style-type: none"> <li>• Energy is transferred from the Sun, to plants, to animals in a sequence known as an energy chain/ food chain</li> </ul>	23										
Week 2 Lesson B											
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Week 2 Lesson C											
<b>Topic: Energy around us</b> <b>Content &amp; Concepts: Energy</b> <ul style="list-style-type: none"> <li>• We are aware of energy around us, including movement, heat, light, sound</li> </ul>	23										
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<b>Topic: Energy around us</b> <b>Content &amp; Concepts: Energy</b> <ul style="list-style-type: none"> <li>We are aware of energy around us, including movement, heat, light, sound</li> </ul>	23										
Week 3 Lesson B											
<b>Topic: Energy around us</b> <b>Content &amp; Concepts: Energy</b> <ul style="list-style-type: none"> <li>Energy is also stored in sources such as food, wood, coal, oil products, natural gas</li> </ul>	23										
Week 3 Lesson C											
<b>Topic: Energy around us</b> <b>Content &amp; Concepts: Energy</b> <ul style="list-style-type: none"> <li>Energy can be transferred from a source to where it is needed</li> </ul>	23										
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Week 4 Lesson A											
<b>Topic: Energy around us</b> <b>Content &amp; Concepts: Energy</b> <ul style="list-style-type: none"> <li>Energy can be transferred from a source to where it is needed</li> </ul>	23										
Week 4 Lesson B											
<b>Topic: Energy around us</b> <b>Content &amp; Concepts: Input and output of energy</b> <ul style="list-style-type: none"> <li>Machines and appliances need an input of energy to make them work</li> <li>Machines and appliances provide an output of energy (work) useful to us</li> </ul>	23										
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<b>Topic: Energy around us</b> <b>Content &amp; Concepts: Input and output of energy</b> <ul style="list-style-type: none"> <li>Machines and appliances need an input of energy to make them work</li> <li>Machines and appliances provide an output of energy (work) useful to us</li> </ul>	23										
Week 5 Lesson B											
<b>Topic: Movement and energy in a system</b> <b>Content &amp; Concepts: Movement and musical instruments</b> <ul style="list-style-type: none"> <li>Many musical instruments (systems) use movement input energy (such as blowing, beating and plucking) to make them work</li> </ul>	24										
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Week 6											
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<b>Week 6 Lesson A</b>											
<b>Topic: Movement and energy in a system</b> <b>Content &amp; Concepts: Movement and musical instruments</b> <ul style="list-style-type: none"> <li>Many instruments have parts that can move or vibrate</li> <li>Musical instruments produce sound as the main output energy</li> </ul>	24										
<b>Week 6 Lesson B</b>											
<b>Topic: Movement and energy in a system</b> <b>Content &amp; Concepts: Movement and musical instruments</b> <ul style="list-style-type: none"> <li>Many musical instruments (systems) use movement input energy (such as blowing, beating and plucking) to make them work</li> <li>Many instruments have parts that can move or vibrate</li> <li>Musical instruments produce sound as the main output energy</li> </ul>	24										
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Week 7											
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Week 7 Lesson A											
<b>Topic: Movement and energy in a system</b> <b>Content &amp; Concepts: Movement and musical instruments</b> <ul style="list-style-type: none"> <li>• Many musical instruments (systems) use movement input energy (such as blowing, beating and plucking) to make them work</li> <li>• Many instruments have parts that can move or vibrate</li> <li>• Musical instruments produce sound as the main output energy</li> </ul>	24										
Week 7 Lesson B											
<b>Topic: Movement and energy in a system</b> <b>Content &amp; Concepts: Movement and musical instruments</b> <ul style="list-style-type: none"> <li>• Many musical instruments (systems) use movement input energy (such as blowing, beating and plucking) to make them work</li> <li>• Many instruments have parts that can move or vibrate</li> <li>• Musical instruments produce sound as the main output energy</li> </ul>	24										
Week 7 Lesson C											
<b>Topic: Energy and sound</b> <b>Content &amp; Concepts: Vibrations and sound</b> <ul style="list-style-type: none"> <li>• Musical instruments make sounds through vibrations</li> <li>• The sound always moves outwards from the part that is vibrating</li> </ul>	25										
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Week 8											
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Week 8 Lesson A											
<b>Topic: Energy and sound</b> <b>Content &amp; Concepts: Vibrations and sound</b> <ul style="list-style-type: none"> <li>• We can feel or hear vibrations</li> </ul>	25										
Week 8 Lesson B											
<b>Topic: Energy and sound</b> <b>Content &amp; Concepts: Vibrations and sound</b> <ul style="list-style-type: none"> <li>• Vibrations travel through materials such as air, water, plastic, metal and wood</li> </ul>	25										
Week 8 Lesson C											
<b>Topic: Energy and sound</b> <b>Content &amp; Concepts: Making sounds</b> <ul style="list-style-type: none"> <li>• Sounds can be made loud or soft (volume)</li> </ul>	25										
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Week 9 Lesson A											
<b>Topic: Energy and sound</b> <b>Content &amp; Concepts: Making sounds</b> <ul style="list-style-type: none"> <li>• Sounds can be made high or low (pitch)</li> </ul>	25										
Week 9 Lesson B											
<b>Topic: Energy and sound</b> <b>Content &amp; Concepts: Noise pollution</b> <ul style="list-style-type: none"> <li>• Sound that is loud, unpleasant or harmful to our ears and continues for a long time, is described as noise pollution</li> <li>• Noise pollution can cause permanent damage to hearing (hearing aids can help people who are hearing-impaired)</li> </ul>	25										
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<b>Revision</b>	23-25										
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