

ANSWER GUIDE



Term 4, 2021


Part 1: Roll and stroll


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Activity title	Answers																								
Can I?	<p>Can I?</p> <p>Read the following statements about walking, riding bikes and using 'small wheeled' transport like scooters and skateboards. Mark whether you think each behaviour is allowed (yes) or not (no) in WA.</p> <table><tr><th></th><th>Yes</th><th>No</th></tr><tr><td>1 Can I ride my bike on the footpath?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>2 Can I ride my bike at night without lights?</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>3 Can I cross the road if I can see a red pedestrian light?</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>4 Can I ride my skateboard on a road with a speed limit of 60km/h?</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>5 Can I ring my bike bell to alert a wheelchair user I am behind them?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr><tr><td>6 Can I ride an electric scooter without a helmet?</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td></tr><tr><td>7 Can I carry my skateboard on public transport?</td><td><input checked="" type="checkbox"/></td><td><input type="checkbox"/></td></tr></table> <p>(space permitting)</p>		Yes	No	1 Can I ride my bike on the footpath?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 Can I ride my bike at night without lights?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 Can I cross the road if I can see a red pedestrian light?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4 Can I ride my skateboard on a road with a speed limit of 60km/h?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	5 Can I ring my bike bell to alert a wheelchair user I am behind them?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6 Can I ride an electric scooter without a helmet?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	7 Can I carry my skateboard on public transport?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Activity title	Answers
Choose to move (Discover)	<div> <div> COMMUNITY <p>Provides opportunities for socialisation and connection. Children become familiar with the area, meeting other children and increasing in confidence and independence. Reduced air and noise pollution makes communities more pleasant.</p> </div> <div> ENVIRONMENTAL <p>In Australia, transport contributes 19% of Australia's total emissions. Choosing active transport, even for some journeys, can lower this figure. Time outdoors can also foster an appreciation of nature and a desire to protect the environment.</p> </div> </div> <div> <div> HEALTH <p>Helps children reach the recommended 60 minutes of physical activity each day, leading to stronger bones and muscles, and improved fitness and coordination. There are also mental health benefits, like reduced stress and anxiety, better concentration and improved sleep.</p> </div> <div> ECONOMIC <p>Walking is free, while bikes and small-wheeled vehicles cost little compared to buying and maintaining a car. The government saves money because the community is healthier, there is less traffic congestion and the infrastructure is cheaper to build and maintain than roads.</p> </div> </div>
Choose to move (Discover)	Student's own response

Activity title	Answers
Encouraging active transport	Student's own response
School solutions	<p>Student's own response. Possible responses include:</p> <ul style="list-style-type: none"> Barrier: the weather (rain/heat) Solution: Have a box of gear ready by the door so you can easily grab it before you go. Hats, glasses and sunscreen for sunny days, raincoats and umbrellas for rainy days. Barrier: it's too far to walk Solution: You could ride, try public transport or consider parking half-way and walking the rest of the way. Barrier: no one to walk with Solution: Consider setting up a walking school bus.
Walking school bus	<p>Student's own response. Possible responses include:</p> <p>Students: Students get more exercise, socialise and gain independence. Students become familiar with some adults who live nearby.</p> <p>Parents: Busy parents don't have to walk every day. Parents who volunteer to lead the bus gain leadership skills, socialise and get to know students.</p> <p>School: More students walking potentially means more students who are fitter and better able to concentrate. Students and parents get to know each other.</p> <p>Community: Reduces parking congestion around the school. Reduces greenhouse gas emissions. Happier, healthier people.</p>
Building change (Discover)	<p>Which of the following features that encourage active transport use can you identify in the image?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> footpath/cycle path <input type="checkbox"/> reduced speed limit <input checked="" type="checkbox"/> lighting <input checked="" type="checkbox"/> public transport <input checked="" type="checkbox"/> bike storage <input type="checkbox"/> pedestrian crossing 
Building change (Evaluate)	Student's own response

Activity title	Answers
A bike evolution	
To 'e' or not to 'e'	<p>Student's own response. Possible responses include:</p> <p>Positives: reduced motor vehicle use/carbon emissions, increased active transport, affordable option, less traffic congestion</p> <p>Negatives: safety concerns, legal concerns, potential waste management issues (ie batteries put into landfill)</p>
Bikes out of the box	Student's own response
Bike to the future	Student's own response



Part 2: On the road

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Activity title	Answers
Getting around WA	<p> ¹D ²G O L D ³M I L E ⁴R A ⁵N G E S ⁶R I C E ⁷F R E E W A Y ⁸B R N ⁹T R A F F I C </p>

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Safe people	<ul style="list-style-type: none"> • Don't <u>distract</u> the driver. • <u>Everyone</u> must be buckled up. • Children must be in an <u>approved</u> child restraint or seat. • Children under seven are safer in the <u>back</u> seat. • Each passenger needs their <u>own</u> seat and restraint. • Secure <u>loose</u> items that could cause injury in a crash or sudden stop. • Keep all body parts <u>inside</u> the vehicle at all times.

Activity title	Answers
Safe crossing	
Safe roads and roadsides (evaluate)	<p>Speed bumps are designed to calm traffic as they jar a vehicle that is travelling too fast.</p> <p>Reflectors help drivers see lane markings in the dark. Some will make a noise or bump if a vehicle drives over them, alerting drivers if they go out of their lane.</p> <p>Cycle lanes keep cyclists and motor vehicles separate, which is safer for both. They also help cyclists be visible to motorists.</p>
Safe roads and roadsides (explore)	 <p>stop sign</p> <p>speed limit</p> <p>pedestrian crossing</p>
Safe roads and roadsides (evaluate)	<p>Student's own response. Possible answers include: traffic islands, traffic lights, overhead lights, barriers, signage, speed cameras, pedestrian crossings, etc.</p>
Safe vehicles	<p>Authorities like ANCAP must stay independent so their results are not influenced by financial incentives. For example, if they were given money by a particular car make (brand), they may feel pressured to give cars from that make a higher rating.</p>

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Smarter, safer, greener	Student’s own response. Possible answers include: halogen lights, GPS, Bluetooth, rear airbags, Isofix, autonomous emergency braking, smartphone integration, etc.																																													
Vehicle vocab	<div><div><div>autonomous vehicle</div><div>driver-assistance system</div><div>fully electric vehicle</div><div>hybrid vehicle</div><div>internal combustion engine (ICE) vehicle</div></div><div><div>A vehicle with an engine powered by petrol or diesel.</div><div>Electronic technologies that assist the driver, such as cameras, sensors and alerts.</div><div>A vehicle that combines a petrol/diesel engine with an electric motor and batteries.</div><div>Able to sense its environment and move without human input. Also known as driverless or self-driving.</div><div>A vehicle that runs solely on electricity, powered by batteries you charge through a socket.</div></div></div>																																													
Green machines	availability, cost, safety, environmental impact, storage, emissions																																													
An epic journey	Student's own response																																													
Long tailpipe	fossil fuels: 76% renewables: 24%																																													
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No driver needed	rigorously tested, independent audits, are fitted with seatbelts, have emergency buttons and controls for manual intervention, have stickers or screens visible inside and outside to display information to other road users and passengers, have a horn or bell, two Chaperones onboard at all times																																													

Activity title	Answers
On the go charging	Responses will vary
Driving change	Student's own response. Possible responses include: interest in STEM subjects, creative, problem solver, hardworking, attention to detail, can work in a team, etc.
Animal crossings	Student's own response. Possible responses include: add plants and natural ground surface, don't have bright lights, make it wide enough animals won't feel trapped, have a railing, etc.
Operation traffic flow	The vehicles are painted to stand out (bold colours, stripes), fitted with flashing lights and signage, official IRC markings.
What next?	Student's own response