

Web page	Syllabus outcomes addressed	Content covered	Suggested activities for teaching, learning & assessment
<p>What are adaptations?</p>	<p>Stage 4 SC4-14LW</p> <p>Stage 5 SC5-14LW</p> <p>Stage 6 Biology BIO11-10</p>	<p>What are adaptations</p> <p>Types of adaptations</p> <hr/> <p>Practical investigations to examine the adaptations of organisms to their environment</p>	<ul style="list-style-type: none"> ● Webpage content and embedded activities <hr/> <ul style="list-style-type: none"> ● Survey for bird adaptations in your school ● Survey plant adaptations in your school ● Battle of the Beaks
	<p>Stage 5 SC5-14LW</p> <p>Stage 6 Biology BIO11-10</p>	<p>Theory of Evolution by Natural Selection</p> <p>How adaptations are developed over time</p> <hr/> <p>Practical investigations to examine the adaptations of organisms to their environment</p>	<ul style="list-style-type: none"> ● Webpage content and video ● Rock Pocket Mice case simulation ● Interactive Assessment for Natural Selection and Adaptation, centred on the Rock Pocket Mice case study ● Peppered moth ● Explore the origins of muscles, nerves, and other animal adaptations through a study of the fascinating phylum Cnidaria <hr/> <ul style="list-style-type: none"> ● Modelling Natural Selection ● Battle of the Beaks

<p>Life in the Rainforest</p>	<p>Stage 4 SC4-14LW</p> <p>Stage 6 Biology BIO11-10</p>	<p>Structural adaptations of Australian flora and fauna to rainforest biomes</p> <hr/> <p>Practical investigations to examine the adaptations of organisms to their environment</p>	<ul style="list-style-type: none"> ● Webpage content and embedded activities ● Adaptations sensory poster <hr/> <ul style="list-style-type: none"> ● Survey for plant adaptations in your school ● ‘Where do I grow’ experiment
<p>Feeling hot, hot, hot!</p>	<p>Stage 4 SC4-14LW</p> <p>Stage 6 Biology BIO11-10</p>	<p>Structural and behavioural adaptations of Australian flora and fauna to heat and fire</p> <hr/> <p>Practical investigations to examine the adaptations of organisms to their environment</p>	<ul style="list-style-type: none"> ● Webpage content and activities ● Adaptations sensory poster ● ‘Diary of a Eucalypt’ literacy activity ● ‘Guess the habitat’ <hr/> <ul style="list-style-type: none"> ● Survey for Adaptations of Plants in your school [Download Activity Sheet] ● ‘Where do I grow’ [Download Activity Sheet] ● Modelling structural adaptations to extreme heat [Download Activity Sheet]
<p>Ice, ice baby</p>	<p>Stage 4 SC4-14LW</p> <p>Stage 6 Biology</p>	<p>Plant cell structure and function</p> <hr/>	<ul style="list-style-type: none"> ● Webpage activity (cell labelling widget) <hr/> <ul style="list-style-type: none"> ● Webpage content

	<p>BIO11-10</p>	<p>Structural and behavioural adaptations of Australian flora and fauna to heat and fire</p> <hr/> <p>Practical investigations to examine the adaptations of organisms to their environment</p>	<ul style="list-style-type: none"> ● Adaptations sensory poster ● Guess the habitat ● Icefish blood adaptations: antifreeze proteins, blood viscosity ● How does hibernation work? TedEd lesson <hr/> <ul style="list-style-type: none"> ● ‘Where do I grow?’ experiment ● Modelling adaptations to extreme cold experiment
<p>Adapting to the Anthropocene</p>	<p>Stage 4 SC4-14LW</p> <p>Stage 6 Biology BIO11-10</p>	<p>Structural and behavioural adaptations of Australian flora and fauna to urban environments</p> <hr/> <p>Impacts of human activity on plants and animals & ‘Future Ecosystems’</p> <hr/> <p>Practical investigations to examine the</p>	<ul style="list-style-type: none"> ● Can wildlife adapt to climate change? TedEd lesson ● 10 species that are evolving due to the changing climate ● Monitor urban bird behavioural adaptations in your local area <hr/> <ul style="list-style-type: none"> ● Can wildlife adapt to climate change? TedEd lesson ● 10 species that are evolving due to the changing climate ● Design a suburb using principles of <i>Biodiversity-Sensitive Urban Design</i> <hr/> <ul style="list-style-type: none"> ● ‘Bold birds’ activity ● ‘Life in the City’ activity

		adaptations of organisms to their environment	
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