



CHALLENGE AREA FOR TONIGHT		Tonight's theme - Solar Challenge part 1		LIC:
PERSONAL GROWTH				
TIME	ACTIVITY	EQUIPMENT	WORKING TOWARD ACHIEVEMENT	YOUTH / LEADER / PARENT HELPER
5:30pm	Acknowledgement of Country We at Joey Scouts are grateful to the Wurundjeri people of the Kulin Nation. We promise to care for the land, the animals and our community. We pay our respects to Elders past, present and emerging.			
5:31pm	Opening HOP Flag break Explanation of the evening's activities.	Flag		
5:35 - 5:45pm	ACTIVITY: Coloured water heating bottles Show how different colours absorb sunlight	 3 or more PET bottles Different coloured paint Water Thermometer	Scouts Go Solar Challenge badge	





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	Paint small PET bottles in different colours, at least one black, one white and one clear. Fill them with water and measure their temperature. Put the bottles in direct sunlight and after 30 minutes or more, measure their temperature again. What can you observe?			





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5:45-5:50 pm	ACTIVITY: Shadow Thief Somebody has to be the Shadow Thief and tries to catch the shadow of the fleeing children with their feet. Once the Shadow Thief catches someone's shadow, the person who is caught loses their shadow and becomes the next Shadow Thief. or in case of rain		Scouts Go Solar Challenge badge	
	Weather Game This is a variation of Captain's Coming. In this game, there is a main playing area and an outside area. The lines on the hall floor can be used. JS are not			





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	permitted in the outside area unless there is a "storm" on. The JS play in the main area and are to respond to specific instructions from the game leader: Rain - Cover head with hands (they can still run around) Snow - Freeze (stop in current position) Hail - Duck and Cover Sun - Lie down / sunbathe Wind - Walk into Wind (like a Mime) Cyclone - Spin in a circle then drop			





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	Storm - Run for outside area (shelter) The instructions can be given in any order and should be given quickly			
5:50-6:05 pm	ACTIVITY: Potato Battery		Scouts Go Solar Challenge badge	
6:05-6:15 pm	ACTIVITY: Quiz Divide into patrols. Quizmaster asks questions from the solar quiz. Joeys answer questions in their patrols.	 Solar energy is energy from? Sunlight Which of these does renewable energy not come from: Coal, Sun Water, Wind? 	Scouts Go Solar Challenge badge	





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		 3. Renewable energy contributes to: Deforestation (loss of forests), Nuclear Waste, Global warming, None of these options? 4. Which country uses the most renewable energy: Russia, USA, Australia, China? 5. Solar power does not create: Sewage Radiation Air 		
		Sewage, Radiation, Air Pollution, All of these answers ?		





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		6. Which of the following best describes renewable energy: The energy that is generated by burning up something, An energy source that is not used up, Energy from fossil fuels, All of the above? 7. How much time does it take for light from the sun to reach Earth: 5 minutes, 8 minutes and 20 seconds, 11 minutes, 20 minutes?	





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		8. Why is developing renewable energy important to life on Earth: Other energy sources will be used up and gone forever, We will run out of energy, Renewable energy produces less pollution, All of the above 9. Which of the following are a source of renewable energy: Water, Wind, Solar, All of the above	e	





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		10. Solar power can be used to generate heat or: Cold, Electricity , Gasoline, Hydropower, Sunlight		
6:15-6:25 pm	ACTIVITY: Coloured water heating bottles Second measurement and discussion		Scouts Go Solar Challenge badge	Rosella
6:25pm	Closing HOP Award badges if available What's on next week? Flag drop.	Flag		