

Oakleigh Scout Den, Saturday June 23rd to Sunday June 24th

SPACE CAMP

TIME	ACTIVITY	RESOURCES	SUPERVISION
Saturday 23rd June 2018			
9:00	Arrive at Oakleigh Scout Den Unpack personal gear	<ul style="list-style-type: none"> • Unpack all equipment • Put food in fridges • Cub luggage in den 	Leaders and Parent Helpers
9:15 – 9:30	Opening Parade	<ul style="list-style-type: none"> • Flag • Duty Cub • Camp rules 	Leaders
9:30 – 10:30	Change into camp gear and set up tents	<ul style="list-style-type: none"> • Tents and pegs • Mallots 	Leaders and Parent Helpers
10:30 – 11:00	Morning Tea	<ul style="list-style-type: none"> • Fruit • Home-bake 	Parent helpers
11:00 – 12:30	Rotational Activity 1.1: Solar System mobiles	<ul style="list-style-type: none"> • Pictures/book of planets • Poster board • Round objects of varying size (see below) • Pencils • Paint and brushes • Scissors • Paper plates • Newspaper 	Leaders (and parent helpers)
12:30-13:00	Rotational Activity 2: Phases of the moon	<ul style="list-style-type: none"> • Oreos • Paddle pop sticks 	Leaders (and parent helpers)
13:00 – 14:00	Lunch (& clean up)	<ul style="list-style-type: none"> • Wraps with salad, cheese and cold meats 	Parent helpers
14:00 – 15:00	Rotational Activity 3: Make a pinhole planetarium	<ul style="list-style-type: none"> • Clean, empty tin cans • Constellation pictures • Sharpies • Hammers • Nails • Torches • Paper • Rubber bands 	Leaders (and parent helpers)
15:00-15:30	Rotational Activity 1.2: Solar System mobiles	<ul style="list-style-type: none"> • Bamboo skewers • Wool • Hole punch 	Leaders (and parent helpers)
15:00-15:30	Rotational Activity 4: Star Wars game	<ul style="list-style-type: none"> • Pool noodles • Duct tape and sparkly tape • Balloons 	Leaders (and parent helpers)

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16:00 – 17:00	Early dinner	Hamburgers	Parent helpers
17:00	Flag down		
17:01 – 17:30	Travel to planetarium (10-minute trip – allowing 30 mins!)	<ul style="list-style-type: none"> • Cars and passenger lists 	Leaders and parent helpers
17:30 – 19:00	Planetarium tour and show	<ul style="list-style-type: none"> • Tickets • Worksheets from Planetarium • Pencils 	Leaders and Parent helpers
19:00 – 19:30	Travel from planetarium to Mt Coot-tha summit	<ul style="list-style-type: none"> • Cars and passenger lists 	Leaders (and parent helpers)
19:30 – 20:00	Observing with Brisbane Astronomical Society at Mt Coot-tha		Leaders (and parent helpers)
20:00 – 20:30	Travel from Mt Coot-tha to Oakleigh Scout den	<ul style="list-style-type: none"> • Cars and passenger lists 	Leaders (and parent helpers)
20:30 -21:00	Supper	<ul style="list-style-type: none"> • Apple crumble and custard • Warm bread rolls with pizza topping 	Parent helpers
21:00-21:30	Get ready for bed	<ul style="list-style-type: none"> • Brush teeth • Put on pyjamas 	Leaders
21:30	Lights out		
Sunday 24th June 2018			
6:30 - 7:00	Wake up	<ul style="list-style-type: none"> • Get ready for the day • Pack up personal gear 	Leaders
7:00	Flag up	<ul style="list-style-type: none"> • Flag 	Leader
7:00 – 8:00	Breakfast (& clean up)	<ul style="list-style-type: none"> • Cereal & Milk • Toast • Bacon • Eggs • Baked beans • Juice 	Parent helpers
8:00 – 8:30	Continue pack up and prepare day packs for solar system hike	<ul style="list-style-type: none"> • Day packs • Water bottles • Hats and sunscreen 	Leaders
8:30 – 9:00	Scouts Own – Protecting Planet Earth’s life support system	<ul style="list-style-type: none"> • Paper, sharpies • Cards with population of continents 	Leaders

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9:00 – 10:30	Solar System urban hike	<ul style="list-style-type: none">• Map of local walk 4.5 km long with planet positions marked: scale 1:1 billion	Leaders (and parent helpers)
10:30 – 11:00	Morning Tea	<ul style="list-style-type: none">• Fruit• Homebake	Parent Helpers
11:00 – 11:45	Pack up tents and change into uniform	<ul style="list-style-type: none">• Emu parade• Tidy up kitchen• Rubbish	Leaders (and parent helpers)
11:45 – 12:00	Closing Parade	<ul style="list-style-type: none">• Flag• Duty Scout• Hand out Space Level 1 badges	Leaders
12:00	Depart Oakleigh Scout Den		Parents

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Rotational Activity 1.1: Solar System mobiles

1. Preparation: cover a table with newspaper, paper plates will be used for mixing paint colours.
2. Present pictures of the planets to the Cubs, discussing facts about their size, distance from sun, etc.
3. Have Cubs work together to arrange cylindrical objects in size order of planets from sun (Mercury and Mars very small, Earth and Venus roughly twice as big, Jupiter and Saturn huge, Uranus and Neptune half the size of Jupiter). Label objects.
4. Cubs trace around objects on poster paper to make discs to represent planets.
5. Cut out discs.
6. Paint in the correct colours to match the planets. Leave to dry.

Rotational Activity 1.2: Solar System mobiles

7. When planets are dry, show cubs how to tie a clove hitch and square lashing using 2 bamboo skewers (sharp ends cut off) and wool.
8. Punch holes in the tops of planets.
9. Tie wool to planet and to arms of mobile.

Rotational Activity 2: Phases of the Moon

1. Discuss phases of the moon with illustrations
2. Cubs split an Oreo and use a paddle pop stick to scrape the cream off to reproduce the phases of the moon

Rotational Activity 3: Make a Pinhole Planetarium

1. Illustrate the Southern Cross and show how to find south using the pointers (a blackboard or whiteboard is handy)
2. Draw some other constellations to show the idea
3. Cubs choose a constellation
4. Cubs trace around base of can, then draw the stars of their constellation with a sharpie or similar so it goes through to opposite side of paper
5. Turn paper upside-down and place over bottom of tin (on the outside). Use a rubber band to secure in place
6. Hammer a nail tips in the place of the stars/dots on paper
7. Wait til dark, then shine a torch from inside the can. The constellation will project out onto the floor/ceiling/wall

Rotational Activity 4: Star Wars

1. Cut pool noodles in half
2. Cover bottom $\frac{1}{4}$ of noodle with duct tape
3. Decorate with stickers, sparkly tape, etc

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4. Cubs run a relay where they “use the force” to balance a balloon on the end of their light sabre

Scouts own: Protecting Planet Earth’s life support system

1. Prepare cards with the human population of each continent (final card has Antarctica: 12 million penguins)
2. Cubs close eyes and breathe deeply, listening to sounds of nature
3. While eyes are closed, distribute cards face down in cubs’ palms
4. Ask the cubs one by one to open their eyes and read their cards
5. Leader has a card with total species on Earth, on land and in the sea
6. Distribute paper and pens so Cubs can write down ideas how to protect the planet for all the people and species on Earth
7. Cubs share their ideas
8. Ask Cubs to be proactive about doing 2 things for the environment this week

Solar System urban hike

1. Work out a 4.5 km return route starting and ending at the den. This will give a scale of 1:1 billion as we walk through the Solar System
2. Start with Neptune at the den, then work your way from planet to planet towards the sun. (We did the opposite, and as the Cubs got tired the distance between the outer planets seemed interminable – which it is! – but you might have happier Cubs if you go the other way, which is why we recommend starting in the outer solar system.) Try to time a busy road crossing somewhere between Jupiter and Mars, as this can be the asteroid belt.