



## Day Tour Activities For Kids 4-6 Years Old

**Contact:** [schooltours@perthobservatory.com.au](mailto:schooltours@perthobservatory.com.au)

### JHC2. Our Place in Space

This starts with a Q&A session working out where we live with children using an Earth globe to identify Perth. The discussion then moves to our Sun and talking about sun safety and then the Moon and making craters. If time an activity demonstrating how the Sun, Earth and Moon move around each other may be used.

### JHC3. Star Light Star Bright

This activity looks at our Sun and discusses it as a star. It then discusses the shadows that can be made when the Sun is shining and has activities demonstrating some of the ways the colours in sunlight can be shown.

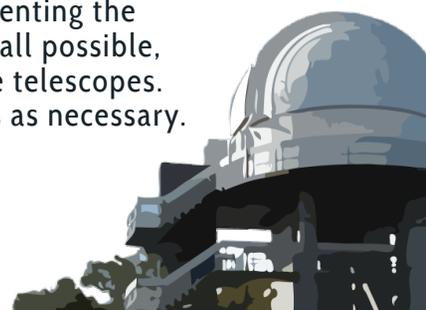
### JHC1. Mission to Mars

This introduces the children to Mars and its environment using discussion, images, models and an activity making a "Mars surface". Again, through discussion and images, the way we would reach Mars is discussed with an activity allowing the children to attempt to land a rocket in a circle representing Mars.

### JHC4. Domes and Fairy Doors

The students are given a tour of the Observatory Domes and are encouraged to find the 'Fairy Doors' that are on them.

**Note:** If the weather does not allow for outside activities, activities presenting the similar concepts will take place inside the main building. However, if at all possible, some activities will take place in the domes so that students can see the telescopes. Perth Observatory reserves the right to change or adjust these activities as necessary.





## Day Tour Activities For Kids 7-9 Years Old

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### MHC1. Who are our Neighbours

The children are introduced to the planets of our Solar System They then reinforce their understanding of the order of the planets by making a planet wheel.

### MHC2. Constellation Capers

The children look at constellations either on a poster or on a screen and then make a 'constellation tube' showing one of the constellations they have looked at.

### MHC3. Sunshine and Rainbows

The children look for visible rainbows and use special lenses to see rainbows everywhere. They have a look at objects through coloured filters to see what happens to the colours and the reason for rainbows is discussed.

### MHC4. Deep Impact

The children are engaged in discussing and examining the Observatory meteorite and learning about craters. They watch a demonstration of how craters are made and then enjoy using objects to make craters.

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## Day Tour Activities For Kids 10-12 Years Old

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🔭 Indicates that a telescope is seen or involved

### UHC1. Talking about Telescopes 🔭

The children have a tour of some of the observatory telescopes.

### UHC2. Sun and Sundials

The children have a look at and discussion about the Observatory sundial and then move inside the University Dome to see images of and learn something about our Sun.

### UHC3. Constellation Capers

The children look at constellations either on a poster or on a screen and then make a 'constellation wheel' showing some of the constellations they have looked at.

### UHC4. Massy Meteorites

This activity is at the Lowell Dome where children investigate whether the mass of an object affects the size of crater. They will have a brief visit to the Lowell telescope if time allows.

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