

## Mercury

17 Oct 17:30

Duty six :

Start	Time	Activity	Requirements	Instructions	Scouter
<b>We are on a space mission to explore Mercury, the closest planet to the Sun</b>					
17 Oct 17:30	5	<b>Activities</b> : Opening	Register, beans, flag, totem and skin	Grand Howl Flag Break Register Inspection - belts and shoes	Akela
<b>Mercury has meteor showers when it passes through the tail of a comet. It has almost no atmosphere so they probably don't look like our "falling stars"</b>					
17 Oct 17:35	5	<b>Game</b> : Meteor Shower		Randomly call "METEOR SHOWER!" — Cubs must drop to the ground (or hide behind a "crater" — a cone or object nearby).  Last one to duck is "hit" and performs a space-themed action. E.g Star Jumps, give us a fact about space, jump high (low gravity), etc.	Akela
<b>Mercury is the closest to the Sun and is very hot during the day - 427 degrees Celsius. Although at night it is -180 degrees Celsius</b>					
17 Oct 17:40	15	<b>Activities</b> : Buddy Burners	Tuna tins  Carboard  Wax  Gas stove and lighter	Leader melts wax while the Cubs put carboard tightly into the tuna tins. Once complete, place a wick in the centre and pour in the hot wax. Leave to cool.	Akela
<b>Now that we have a heat source (not quite as hot as Mercury though) lets cook something sweet.</b>					
17 Oct 17:55	30	<b>Activities</b> : Pancakes	<ul style="list-style-type: none"> <li>• 2 eggs</li> <li>• 200 ml milk</li> <li>• 4 tsp. (20 ml) margerine</li> <li>• 1 tsp. (5 ml) Vinegar</li> <li>• 300 ml cake Flour</li> <li>• 200 ml water</li> <li>• Cinnamon</li> <li>• Sugar</li> <li>• Lemon juice</li> </ul>	<ol style="list-style-type: none"> <li>1. Beat the eggs and add the milk, melted margerine and vinegar.</li> <li>2. Add the cake flour and beat until there are no lumps. Lastly add the water and mix well.</li> <li>3. Let the batter stand for 30 minutes before cooking.</li> <li>4. Heat a greased frying pan. Pour a little batter in the pan and brown on one side before flipping and browning the other. Continue in this manner until the mixture is finished.</li> <li>5. Serve with toppings of choice (eg. cinnamon sugar, lemon juice)</li> </ol>	Akela
<b>Even Mercury has water - ice in deep craters near its poles. So lets hydrate</b>					
17 Oct 18:25	5	<b>Activities</b> : Juice and biscuits		Juice and biscuit break	Akela
<b>How can we find our way using the stars?</b>					
17 Oct 18:30	10	<b>Activities</b> : Finding North	stick  stones	Which way is north? Whether you're lost in the woods or you're trying to install a sundial in your yard, you're bound to want to find true north from time to time, and chances are when the time comes you won't have a compass. What's more, even if you do	Akela

				<p>have a compass, it will point to magnetic north, which changes with your location in the world.</p> <p>The Shadow-Tip Method</p> <ol style="list-style-type: none"> <li>1 Place a stick upright in the ground so that you can see its shadow. Alternatively, you can use the shadow of a fixed object. Nearly any object will work, but the taller the object is, the easier it will be to see the movement of its shadow, and the narrower the tip of the object is, the more accurate the reading will be. Make sure the shadow is cast on a level, brush-free spot.</li> <li>2 Mark the tip of the shadow with a small object, such as a pebble, or a distinct scratch in the ground. Try to make the mark as small as possible so as to pinpoint the shadow's tip, but make sure you can identify the mark later.</li> <li>3 Wait 10-15 minutes. The shadow tip will move mostly from west to east in a curved line.</li> <li>4 Mark the new position of the shadow's tip with another small object or scratch. It will likely move only a short distance.</li> <li>5 Draw a straight line in the ground between the two marks. This is an approximate east-west line.</li> <li>6 Stand with the first mark (west) on your left, and the other (east) on your right. You are now facing mostly toward true north, regardless of where you are in the world. The illustration shows that the sun and marker at Points 1 is what is happening for Step 2. At Points 2, it shows what is happening for Step 4. This method is based on the fact that the sun moves across the sky from East to West.</li> </ol> <p>Watch Method: Southern Hemisphere</p> <ol style="list-style-type: none"> <li>1 Use an analogue watch as above, and point the twelve o'clock mark (the number 12) of the watch toward the sun. If your watch is set to daylight saving time, point the one o'clock mark toward the sun.</li> <li>2 Bisect the angle between the twelve o'clock mark (or one o'clock mark if using daylight saving time) and the hour hand to find the north-south line. If you're unsure which way is north, remember that the sun rises in the east and sets in the west no matter where you are. In the southern hemisphere, however, the sun is due north at midday.</li> </ol>	
We are going to finish off with our Cubs Own from the camp that we didn't do together.					
17 Oct 18:40	5	Activities : Closing	Totem, Skin Badges, certificates	Announcements Badge handouts Grand Howl	Akela

[illegible]

Programme prepared on 16 Jan 12:20