The Night Sky November

Equipment you will need

Because of the darkness of our forest locations, you can see many wonders of the night skies with your naked eye, although your eyes will need a good 20 minutes to adjust to the darkness. Any bright lights, such as that from your torch, will set them back again. You can reduce this effect by putting a red filter on your torch. Equipment worth investing in includes:

- **Binoculars** cheaper and easier to carry than a telescope. Look for ones with glass lenses.
- Camera to capture that fantastic star scene forever
- **Tripod** essential for use with your camera
- **Telescope** worth investing in for the really committed stargazer
- Google Skymaps a superb free app, available for Android and iPhone. You point your phone towards the sky and it shows you the constellations and identifies the stars using inbuilt GPS

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Getting started – your first 5 constellations to spot

- Ursa Major (the Big Dipper) has been used by sailors since ancient times to locate the fixed-point Pole Star and navigate home
- Leo (the lion) is it a lion, as the Greeks decided? Or is it K9 from Doctor Who?
- Cassiopeia (the queen of Aethiopia) is one of the easiest constellations to locate and looks like a huge W, almost directly overhead
- Cepheus (the king of Aethiopia) is one of 48 constellations identified by 2nd century astronomer Ptolemy. Imagine a child's drawing of a house, complete with roof
- Orion (the hunter), with belt and sword, is perhaps the most famous constellation - and one of the few that actually bears some slight resemblance to its namesake

Stargazing facts for kids

- You can see the International Space Station without using binoculars, and you can track it moving across the sky
- The sun is 300,000 times bigger than earth and 93 million miles away. If you could catch a plane to the sun, the journey would take 20 years
- We're more connected than you might think. The gravity of the sun and moon bring about the tides in our seas
- Footprints and tyre marks on the moon from the Apollo 11 mission will stay there forever – there is no wind to blow them away
- How much do you weigh? If you weigh 50kg here on earth you would only weigh 19kg on Mars because of lower gravity
- forestholidays Ν Gemini **Ursa Minor** Auriga Ε Taurus Phoenix Phoenix Gemini Ursa minor Taurus Auriga One of the easiest A large constellation Named after the Also known as the Its name is a Latin most prominent during winter nights 'little bear', the tail mythical phoenix, this ways to locate this word meaning 'bull of this constellation - it is also one of the is a minor constellation is to in the northern find its two brightest may also be seen as oldest constellations constellation in the hemisphere. Its stars Castor and the handle of a dating back to the southern sky. brightest star, Pollux eastward from Early Bronze Age ladle, hence the Capella is an unusual the familiar 'V' name 'little dipper'. when it marked the multiple star system shaped Taurus and location of the Sun the three stars of among the brightest during the spring stars in the night sky. Orion's belt. equinox.