Science Assessment Grid : Earth and Space : Year 5

## Earth and Space

Group: Year:
Term:
Science

Can children describe the Sun, Earth and Moon's shape as roughly spherical?
Are children able to clearly define the word orbit?
Can children describe the Sun, Earth and Moon's movements in relation to one another?
 Can children explain how the rotation of Earth on its axis creates day and night?

Can children explain the apparent movement of the Sun across the sky?
Can children identify how long it takes Earth to make a full rotation?
Can children describe the different changes that happen between seasons?

Can children use Earth's tilted axis to explain how seasons are created?
Can children describe the differences in seasons between two locations in opposite hemispheres?

Can children name the different phases of the Moon?
Are children able to order the phases of the Moon?
Can children describe how the phases of the Moon are created?
Are children able to define what a solar system is?
 Can children explain the differences between geo- and heliocentric models of the solar system are?
Can children compare the ideas of the solar system we know now, with those held by Ptolemy and Copernicus?
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Can children name the eight planets in our solar system?
Are children able to name the eight planets in order from nearest to farthest from the Sun?
Can children use researching skills to find relevant information on a topic?

