

Science Fair Project Ideas

Earth Science: Outside the Solar System (5-6)

Can a person determine the direction of Earth's rotation by the paths that stars take across the sky?

Does the visibility of stars change with either temperature or humidity?

Is the visibility of stars affected by wind?

How is the visibility of stars affected by human-made light?

How is the visibility of stars affected by the phases of the Moon?

How much of what we see in the night sky is in our galaxy?

Why do galaxies form in different shapes?

Where could I go in my lifetime if I could travel at the speed of light?

How far does light travel in a second, minute, hour, day, week, month, and year?

What deep-space features are visible with the eyes, with binoculars, and with a telescope?

Does the magnification of a telescope lens affect the brightness of an image?

Can I see deeper into space from higher elevations?

How are binoculars and telescopes similar and different in construction?

Are the brightest stars in the sky also the biggest?

How can models be used to explain nebulae, supernovae, and black holes?

Can nebulae, supernovae, and black holes be seen from Earth?

What would make an exoplanet most likely to be able to sustain living things?

How might people design spacecraft to explore deep space?

How many constellations can my classmates recognize?

Which elements can be found to be present in stars when using a spectroscope?

