

Sun Earth Moon

This is a Squeak model of earth orbiting around the sun and spinning, while moon is orbiting around the moving earth and spinning. Orbiting and spinning speeds are adjustable.

The activity contains a book with explanations, outline of the scripts and list of points of interest.

Possible uses: Demonstration of the compound movements, defining “solar-year” and “lunar-month”, explain the “hidden part” of the moon, an outline for creating such a model.

Science Key Words: Model; Spin; Orbit; Moon; Earth; Sun; Lunar-Month; Solar-Year;

Math Key Words: X and Y coordinates; Circle; Circle -Center; Radius; Rotation

Squeak Key Words: X and Y coordinate; Forward by-; Turn by-; Reset-Button; Pen-use; Numeric-Variables

Grade Level: Elementary, Middle School, High School

Squeak project: Sun Earth Moon

Related projects: Moon around Earth (Squeak)