

# Title IO Jupiter moon orbit resonance

#### Norwegian translation

### Material List:

## Outline

In this activity, we will demonstrate and model the solar system motions with our selves as objects.

In this activity, we will try to find what is the directions of motion and rotation of the the moon and inner planets.

How can we "shift" our perspective of the solar system between a stationary observer and an observer standing on a rotating Earth?

#### Procedure

1	The Moon Start with observing the phases of the moon, how and in which "direction" they change from new, half, full, half and new. Draw in the phases on the occasions you see them, into the circles to your right (labelled A, B, C, D). Try to use this to describe which direction		24 44 A
	the moon is rotating around our Earth		
	You can also use the starry background and follow what direction the moon moves from one night to the other. Use the circles in the left of the drawing and draw lines- of-view to the starry background. Demonstrate the motions of the moon with three people, where each person takes the role as one of the objects.		

The online observatory collaboration consists of the following partners: Baldone Observatory, Brorfelde Observatory, Cardiff University, Harestua Solar Observatory, Helsinki Observatory. See <u>onlineobservatory.eu</u> for more activities and information.

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