

## ONLINE OBSERVATORY

### STUDENT GUIDE

# Make a Moon flip-book

Classroom activity

### Material List:

Scissors

Stapler

Pencil / colours

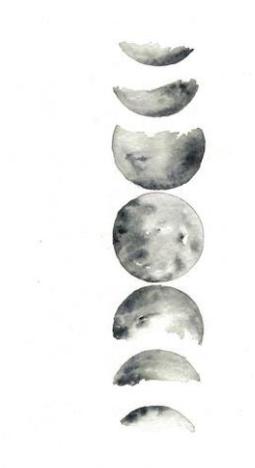
Thicker paper

### Outline

In this exercise we will observe the phases of the Moon over time or using Stellarium. Afterwards we draw each phase in to a series of cards, which we use to make our very own moon-book, which you can flip through to remind and entertain you.



## Procedure

<p><b>1</b></p>	<h3>Observation of the Moon</h3> <p>Observe the Moon in one month on every day/night with clear skies. It is usually a good time to start 3-4 days after the new moon, as it will be visible on the southern skies mid day (check your calendar when the next new moon is).</p> <p>Keep watching the Moon as it moves eastwards and eventually appears later and later in the evenings. In the last part of your observational period, you will have to get up early (before sunrise) to follow the Moon until the next new moon.</p>  <p><i>Illustration by <a href="#">Rachael Ryan Lacey</a></i></p>
<p><b>2</b></p>	<h3>Draw or colorize the lunar phases in the circles.</h3> <p>At the same time as you mark the Moon's position on the star chart you draw the lunar phases in the picture under. Write the time and date. When you are finished colourizing the circles you cut out the squares and make a book of it.</p>



	Date:	Time:	Date:	Time:	Date:
	Date:	Time:	Date:	Time:	Date:
	Date:	Time:	Date:	Time:	Date:

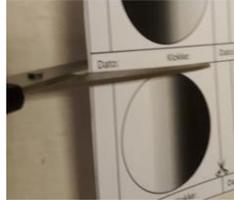


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## Flip book guide

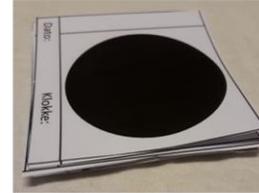
Print the flipbook. If you have thicker paper available, print the previous page (with the squares and circles) on the thick paper before you start to colour the circles.

1.



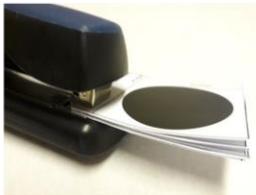
Instruction

Flipbook



2.

3.



4.



5.



1. Cut out the squares (follow the lines and leave the left side piece intact).
2. Put the pieces of paper on top of each other in the correct order.
3. Staple it together in the left side.
4. Hold the book in a c-shape, with the backside against you and cut the right side of the book to equal lengths. This makes it easier to get the flipping action.
5. You are now ready to flip the pictures of the Moon phases.

## Further Resources/Activities

There are several other related activities on the Moon available on [onlineobservatory.eu](http://onlineobservatory.eu). Check out our material there to enjoy more of this interesting object with your class.

