# Challenge 1: Moondial

As the moon orbits the earth, the sun lights up different areas so the moon appears to change shape. That's why we can see the moon go through eight phases each months!



DISC 2

#### Instructions

- 1. Pop out Disc 1 and Disc 2 along the perforated line.
- 2. Place Disc 2 on top of Disc 1 (both sides facing up).
- 3. Pop out the pin along the perforated lines.
- 4. Roll the pin tightly to form a tube and push it halfway through the centre of both discs.
- 5. Hold on to the sun handle and rotate the top disc anti-clockwise to see how the appearance of the moon changes throughout the month!

## It's About Time



Secondary



PIN

Book 📖

**Title:** Doctor Who: Borrowed Time, pages 8-9 **Author:** Naomi Alderman and Nicola Prentis

Call No.: Y PRE

Publisher: Penguin Random House, 2019

### Excerpt 4

"Everyone has a bad morning sometimes," said Mr Symington. "Luckily for you, we're here to help."

"Help?" Andrew asked.

"We have something very special for you, Mr Brown," said Mr Blenkinsop. "Something that will help you with your bad morning and every bad morning you will ever have in the future."

Mr Symington continued, "How would you feel if you could get an extra hour any time you liked? An extra hour for that report for your boss, or to spend time with your loved ones or just to sleep late?"

### Let's Discuss

1. What part of your day takes up the most time and how do you manage your daily schedule?

Answer:

2. Name three things you would do if you had an extra hour of time every day.

Answer:

#### Check out these books:



Title: The Hero of Numbani (Overwatch) Author: Nicky Drayden Call No.: Y DRA Publisher: AFK, 2020



Title: The Starlight Watchmaker
Author: Lauren James
Call No.: Y JAM
Publisher: Barrington Stoke,
2019



Title: The Kingdom of Back Author: Marie Lu Call No.: Y LU Publisher: G. P. Putnam's Sons, 2020

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# Challenge 2: Track Your Mood!

The faces on the stars represent different moods you may feel.
For each day, make a tick on the column that best represents your mood!

Date	会	*	會	*	Date	会	*	會	*	
1					17					
2					18					
3					19					
4					20					
5					21					
6					22					
7					23					
8					24					
9					25					
10					26					
11					27					
12					28					
13					29					
14					30					
15					31					
16										

Tracking your feelings on paper lets your mind work through your emotions and potentially change your mood.