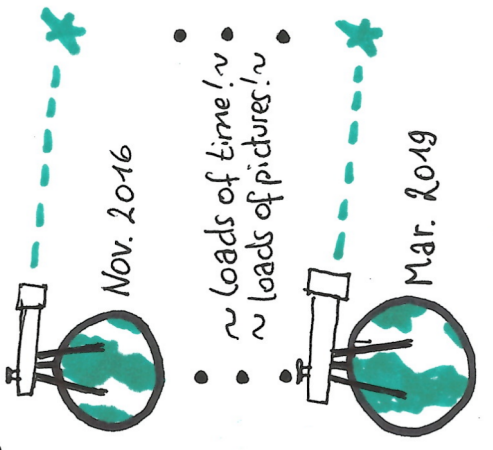
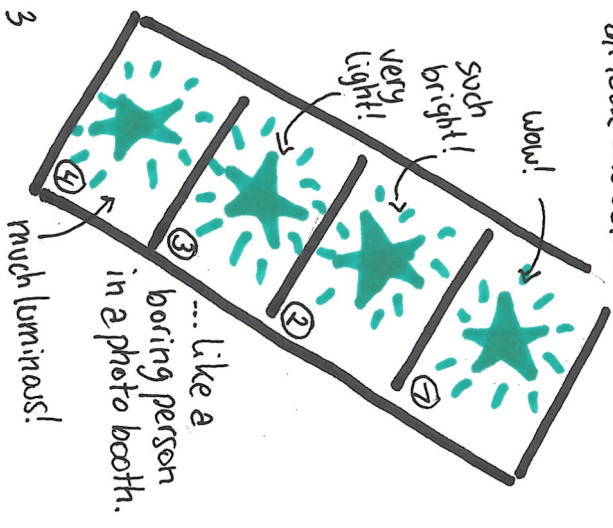


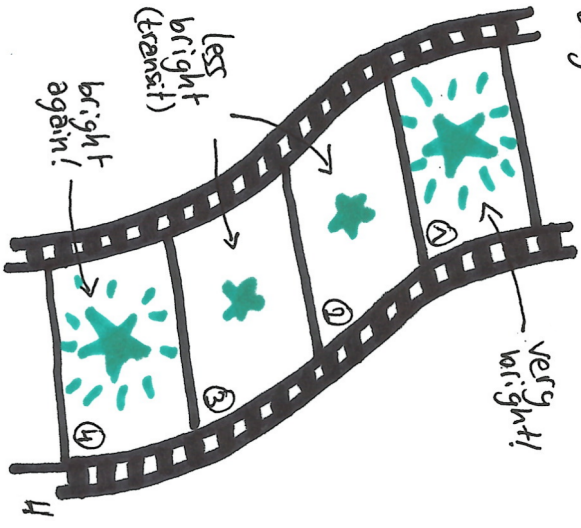
Here's how it works: first, astronomers on Earth take many pictures of a star over the course of many months or years:



Then, we look at the pictures. Most of the time, they will all look the same...



However, if we're lucky, then a planet will transit (pass) in front of the star, making it less bright:



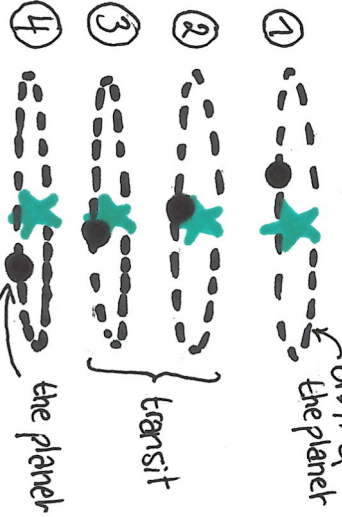
An exoplanet is a planet located outside the solar system. They are difficult to find because they are small, dim, and far away.

The transit method is a technique to find exoplanets without directly observing them!

HOW TO FIND EXOPLANETS

PART 1 'The Transit' Method

This happens because, during transit, the planet blocks some of the starlight:



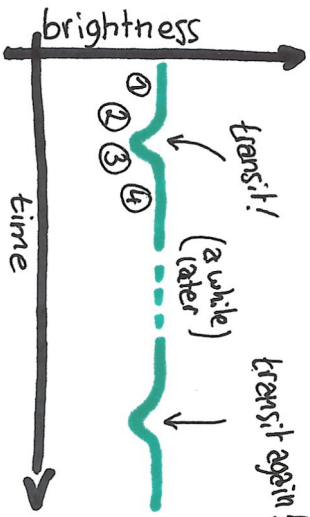
Transit is rare, because it can only occur if the orbit of the planet is (almost) "flat" when seen from Earth.

For more info, check the website of the Planetary Society:

WWW.PLANETARY.ORG
and search for "TRANSIT PHOTOMETRY"

KEEP LEARNING!

A mini Sci-Zine by XAVIER LAMBEIN @XLAMBEIN LAMBEIN.XYZ



If we plot it on a graph, it will look like this:

If the transit repeats multiple times (like here), then it is most probably a planet!