



ASSIST

AUSTRALIAN SCHOOL SCIENCE
INFORMATION SUPPORT FOR
TEACHERS AND TECHNICIANS

Published on ASSIST (<https://assist.asta.edu.au>)

[Home](#) > [Distance to the sun](#)

Distance to the sun

Posted by [sat](#) on Wed, 2014-06-18 12:27

This downloadable resource is an activity to determine the distance to the Sun.

In this activity, students use an image of the Sun to determine its distance from the Earth using mathematics.

The ratio of distance to the width of the image is used to obtain an experimental value for the distance to the Sun, which students can compare to the known value.

This activity introduces the idea of sources of error and allows students to make a percentage error calculation based on their result.

Australian Curriculum v9 Codes: AC9S10U03 (Year 10)

Tags:

[astronomy](#)

[sun](#)


[pinhole camera](#)

[astronomical distances](#)

[ratio](#)

[solar system](#)

File:

 [Distance to the sun](#)

Source Category:

ASSIST

[Distance to the sun](#)



image not found
https://assist.asta.edu.au/httpdocs/sites/assist.asta.edu.au/files/styles/desktop_resource_details_view/public/Image%20of%20the%20Sun.pr



No votes yet

Publication Date:

June, 2014

Solar System

Source URL: <https://assist.asta.edu.au/resource/2215/distance-sun>