

# James Webb Space Telescope

## Try It Out

This tiny telescope magnifies things 5 times! Use the dial on the end to change the focus and take a look at something far away. (Not the sun!)

## What's the Big Deal?

The James Webb Space Telescope was launched into space at the end of 2021. It's about a hundred times as powerful as other observatories, and it allows us to see cool things in space that have *never* been seen before! Unlike this pocket scope, it detects infrared light, which isn't visible to humans. Infrared light travels through dust and other things more easily, which is why the James Webb telescope can see things Hubble cannot.



(Messier 74 galaxy. Source: NASA)

## Women in Science

Jane Rigby is the operations project scientist for the James Webb Space Telescope. Her job is to make sure that everyone who works with the Telescope is doing as much good as possible.



The telescope has a five year long planned primary mission, and every moment it is up there is important. Rigby and her team keep track of the schedule of the multitude of researchers and experiments to be performed using the telescope. It's a complicated job, taking into account when objects are visible to the telescope, and how much data needs to get back to Earth.

(Source: Scientific American)

## Wonder While You Walk...

The James Webb Space Telescope allows us to "see back in time." How is that possible?



What will you discover *tomorrow*?  
littlefreemuseum.org

We host rotating exhibits on science and technology.  
Ideas or suggestions? Let us know.

[facebook.com/littlefreemuseum](https://facebook.com/littlefreemuseum)  
[@LFMuseum](https://twitter.com/LFMuseum)  
[info@littlefreemuseum.org](mailto:info@littlefreemuseum.org)

Like us on Facebook  
Follow us on Twitter  
Send us an email