

Visuals and Media



We have marked resources that require less bandwidth to download with the **LOW BAND** tag.

Visuals	Media	Infographics
Webb's First Images Gallery LOW BAND	Use the Science Writer's Guide from Webbtelescope to assist media personnel, writers, and educators in their efforts to understand the telescope, and in turn, educate others about the mission.	Webb's Diffraction Spikes Infographic - this illustration demonstrates the science behind Webb's diffraction spike patterns, showing how diffraction spikes happen, the influence of the primary mirror and struts, and the contributions of each to Webb's diffraction spikes. LOW BAND
Webb's Poster Series LOW BAND	Launch Media Kit	Choose Your Path: Destiny of Dust Infographic - a tiny dust grain has many potential paths—and destinies—in the universe. Which would you choose? Where could it lead you? Explore some of the possibilities and consequences with this infographic, and discover important roles that dust can play.
Zoomable Image: Webb's First Deep Field	See the James Webb Space Telescope Launch Highlight video for a behind the scenes look at how the people behind Webb successfully launched the telescope on Christmas Day 2021.	Unknown Era: The First Galaxies Infographic - Webb will push the boundaries of what is observable in the universe farther back in time and space, detecting light emitted by the earliest galaxies more than 13 billion years ago. LOW BAND
Zoomable Image: "Cosmic Cliffs" in Carina	All About Webb Youtube Video Series LOW BAND	Dissecting Supermassive Black Holes Infographic - walk through the full process to learn how supermassive black holes convert fuel to produce bipolar jets, discover when star formation starts and stops, and examine a diagram of the processes at work. LOW BAND
Zoomable Image: Stephan's Quintet	James Webb Space Telescope YouTube Channel LOW BAND	Recipe for Planet Formation Infographic - this infographic is a simplified artistic representation of planet formation, following the format of a baking recipe. LOW BAND
Zoomable Image: Southern Ring Nebula	WebbTelescope Video Resources	Cosmic Reionization Infographic - more than 13 billion years ago, during the Era of Reionization, the universe was a very different place. What allowed the universe to become completely ionized, or transparent, eventually leading to the "clear" conditions detected in much of the universe today. LOW BAND
Flickr - Webb Telescope Albums	Scientific Visualization Studio - Webb Videos/Animations	
Scientific Visualization Studio - Webb Videos/Animations	Webb's Orbit LOW BAND	
AstroPix - library of publicly available astronomy images. LOW BAND	How are the Hubble Space Telescope and James Webb Space Telescope different, and how do they complement each other? Learn more in this short, animated video, Hubble and Webb: Friends in the Sky . LOW BAND	
Printable Materials	Reading the Rainbow Video Series	
First images: Souther Ring Nebula Poster LOW BAND	How do Space Telescopes Break Down Light?	
First Images: Cosmic Cliffs Poster LOW BAND		
First Images: Exoplanet WASP-96 b Poster LOW BAND		
First Images: Stephan's Quintet Poster LOW BAND		
First Images: Webb's First Deep Field Poster LOW BAND		
James Webb Space Telescope Posters and Lithographs LOW BAND		
James Webb 3D Model - print and interact with this 3D model to explore all the different parts of this remarkable telescope.		
James Webb 3D Model Print of the Mirror		

Want to check out some of the thousands of exoplanets that NASA's astrophysics missions have discovered from the comfort of your own home? Check out the [Exoplanet Travel Bureau](#) for different ways to explore features of different exoplanets.

Women in STEM [Poster Series](#) - view and download inspiring, beautiful posters and a mini zine celebrating some of the women who have made significant contributions to science, technology, engineering, and math, from Hypatia in fourth century Alexandria to Cady Coleman on the International Space Station.

Webb's Microshutters [Infographic](#) - the telescope's Near Infrared Spectrograph (NIRSpec) has a microshutter array that can capture hundreds of colorful spectra at the same time. Discover how it will help transform our understanding of many distant stars and galaxies simultaneously.

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Moons: Active Worlds [Infographic](#) - discover the makeup of four active Solar System moons, worlds unto themselves with unique, dynamic environments.

What is Cosmological Redshift [Infographic](#) - the universe is expanding, and that expansion stretches light traveling through space in a phenomenon known as cosmological redshift. The greater the redshift, the greater the distance the light has traveled. As a result, telescopes with infrared detectors are needed to see light from the first, most distant galaxies.

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Massive Stars: Engines of Creation [Infographic](#) - this illustration demonstrates how a massive star (at least 8 times bigger than our sun) fuses heavier and heavier elements until exploding as a supernova and spreading those elements throughout space.

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Resource Pages

[Return to Main Page](#) [Hands On & Digital Activities](#) [Hosting an Event](#)

[Panel Discussion Recordings](#) [Reaching New & Underserved Audiences](#) [Websites & Social Media](#)