



NASA Space Place

Educator Newsletter

November-December 2015 / Vol. 8, Issue 4

NEWS AND NOTES FOR FORMAL AND INFORMAL EDUCATORS

Space Place is a NASA website for elementary school-aged kids, their teachers, and their parents.

It's colorful!
It's dynamic!
It's fun!

It's rich with science, technology, engineering, and math content!
It's informal.

It's meaty.
It's easy to read and understand.
It's also in Spanish.
And it's free!

It has over 150 separate modules for kids, including hands-on projects, interactive games, animated cartoons, and amazing facts about space and Earth science and technology.

There are always new and exciting things happening at NASA Space Place. To keep up with all the latest, follow us on Facebook and Twitter @nasaspaceplace. If you'd like to be added to our e-newsletter, email us at info@spaceplace.nasa.gov.

New!

Dark matter... and dark energy too!

This might be a surprise, but we don't know what most of the universe is made of. Seriously, we don't!

<http://spaceplace.nasa.gov/dark-matter>



New!

Why does the sun burn us?

The sun keeps our planet warm enough for living things to thrive. It gives us light so we can see. But it can also burn us. What causes these burns?

<http://spaceplace.nasa.gov/sunburn>



New!

What is a lunar eclipse?

And how is it different from a solar eclipse? And why are these so rare? There are so many questions!

<http://spaceplace.nasa.gov/eclipses>

Planet Pages

Learn more about Venus, the hottest planet in our solar system. But don't stop there; explore all of our solar system's eight amazing planets.



Every planet page features planet merit badges that showcase each planet's unique characteristics, as well as beautiful photos.

<http://spaceplace.nasa.gov/all-about-venus>

Printable Content

Did you know we have **six galleries** with images of space, the sun, Earth, our solar system, and NASA people and technology? These high-resolution images have large captions and are perfect for printing and putting on bulletin boards and other classroom displays.



<http://spaceplace.nasa.gov/search/galleries>

Games for Mobile Devices

Take some NASA Space Place games with you on your iPad, iPhone, iPod touch, or Android device! <http://spaceplace.nasa.gov/ios>

Space Place Prime

Read the latest from NASA Space Place.



OFFSET!

Save the world from carbon emissions!

Satellite Insight

Process all that satellite data, and quick!

Rescue 406

A SARSAT game from NOAA and NASA.

Comet Quest

Control Rosetta as it lands on a comet.

Special Days

Noteworthy days in NASA and space history you can observe in your classroom.

November 8 — X-rays were discovered in 1895.

See how telescopes see the universe with X-rays and other energy waves.

<http://spaceplace.nasa.gov/cosmic-colors>

November 15 — First computer microprocessor invented in 1971.

How do we humans talk to machines?

<http://spaceplace.nasa.gov/binary-code3>

November 20 — Edwin Hubble's birthday

Find out how Hubble noticed that the universe is expanding.

<http://spaceplace.nasa.gov/big-bang>

December 4 — Pioneer 10 flew past Jupiter in 1973.

Learn all about our solar system's largest planet.

<http://spaceplace.nasa.gov/all-about-jupiter>

December 6 — The microwave oven was invented on this day in 1945.

What are microwaves, though?

<http://spaceplace.nasa.gov/magic-windows>

December 13 — The peak of the Geminid meteor shower.

Why are meteor showers predictable?

<http://spaceplace.nasa.gov/meteor-shower>

