



# NASA Space Place

## Educator Newsletter

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### 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, Earth science, and technology.

Don't forget to subscribe to our monthly e-newsletter, the NASA Space Place Gazette!

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

*New!*

### Galactic Explorer

A galaxy is a huge collection of gas, dust, and billions of stars all held together by gravity. Visit as many galaxies as possible in Galactic Explorer, our new NASA Space Place game!

<http://spaceplace.nasa.gov/galactic-explorer>



*New!*

### Sun Comparison

Our sun is a bright, hot ball of hydrogen and helium at the center of our solar system. So hot, that it's actually 10,000 degrees Fahrenheit at the surface and 27 million degrees Fahrenheit in the core! But how does our sun compare to other stars?

<http://spaceplace.nasa.gov/sun-compare>

*New!*

### Sunscreen Activity

The sun sends energy toward Earth in the form of ultraviolet light. We can't see UV light with our eyes, but we are still affected by it. Make handprint art using UV light!

<http://spaceplace.nasa.gov/sunscreen-activity>



*New!*

### NASA Space Place Calendar

Looking for some hands-on activities and fun facts to use in the classroom? Check out our 2016-2017 NASA Space Place Calendar! This calendar includes many noteworthy space dates and links to related content on our website.

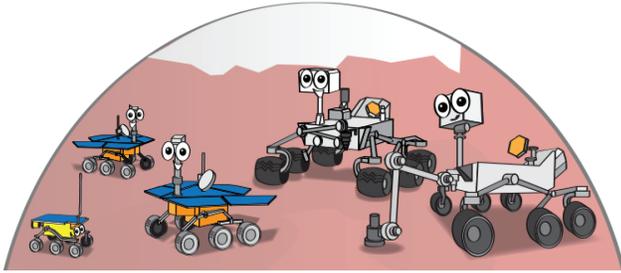
<http://spaceplace.nasa.gov/calendar>



*New!*

## Rovers on Mars!

Over the years, we've sent four rovers to study the cold, red planet we call Mars. We even plan to send another one in just a few years! Meet the team of rovers and discover what we've learned from each one.



### Sojourner

<http://spaceplace.nasa.gov/mars-sojourner>

### Spirit & Opportunity

<http://spaceplace.nasa.gov/mars-spirit-opportunity>

### Curiosity

<http://spaceplace.nasa.gov/mars-curiosity>

### Mars2020

<http://spaceplace.nasa.gov/mars-2020>

## Back to School

Summer is almost over, and that means it's time to head back to the classroom! Here are some helpful resources:

### Math-related Activities

<http://spaceplace.nasa.gov/math-activities>



### Social Media

To keep up with the latest, follow us on Facebook and Twitter [@nasaspaceplace](https://twitter.com/nasaspaceplace).

## Special Days

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

### Sept. 1 — Pioneer 11 made the first flyby of Saturn on this day in 1979.

Five spacecraft, including this one, have been to Saturn so far. Learn more about this beautiful planet!

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

### Sept. 18 — Voyager 1 took the first photo of Earth and the moon together in 1977.

Find out what this spacecraft is doing now:

<http://spaceplace.nasa.gov/voyager-to-planets>

### Sept. 23 — Neptune was discovered on this day in 1846.

Neptune is dark, cold, and very windy. What else do we know about this planet?

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

### Oct. 1 — Happy Birthday, NASA!

Today, NASA opened its doors for the first time. But did you know there are also other agencies in space?

<http://spaceplace.nasa.gov/other-agencies>

### Oct. 15 — Today, Uranus will be at its closest approach to Earth.

Fun Fact: Uranus actually has faint rings!

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

### Oct. 21 — Get ready for the peak of the Orionid meteor shower!

What causes a meteor shower?

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

