

GENTLE.NEWS

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"People say nothing is impossible, but I do nothing every day."

— A.A. Milne,

NASA Tests Rocket Engine for Moon Mission

NASA successfully tested a powerful rocket engine in Mississippi this week. The test is good news for future trips to the Moon.

The engine is called RS-25. It will help power a big rocket that carries astronauts to the Moon. This is part of NASA's plan to return people to the Moon after many years.

Engineers had to fix a small problem with the engine first. They replaced a part that controls fuel flow. Then they tested the engine by firing it for five minutes. It worked perfectly at full power.

The test took place at NASA's center in Mississippi. A team of experts ran the test safely. Now the engine is ready to be put on the rocket for the next Moon mission.

This brings us one step closer to seeing astronauts explore the Moon again. It shows how NASA's careful work helps make space travel safer and more reliable.

Tiny Sea Animals Help Protect Bay Mudflats

Scientists made an exciting discovery in San Francisco Bay. They found that small sea creatures help protect the muddy bottom from washing away.

The research team studied two parts of the bay for over a year. They used special tools to watch how waves and currents moved the mud around. They also collected samples to see what animals lived there.

Waves do stir up the mud, just like scientists expected. But they found something wonderful too. Tiny animals called amphipods build little tubes in the mud. These tube homes act like anchors that help hold the muddy bottom together.

The amphipods and their neighbors work like a team. Their tubes and burrows make the seafloor stronger. This helps keep the water cleaner and creates better homes for fish and other sea life.

This discovery shows how every creature in the bay plays an important role. Even the smallest animals help keep their underwater neighborhood healthy and stable. Nature has its own special ways of taking care of itself.

Europe Creates Helpful Health Resources Online

European health experts have built a special website to help countries stay healthy together. The project brought many nations together to share ideas about keeping people safe and well.

For five years, doctors and health workers from different countries worked as a team. They learned from each other and made plans to help everyone stay healthier. The project helped countries get ready for health challenges before they happen.

Now the teamwork project is finished, but the helpful website will stay open. Anyone can visit it to learn about the good work that was done. The website shows how countries can work together to protect everyone's health.

The project helped many countries around Europe become better prepared. Health experts say working together makes everyone stronger and safer. The website will help future health workers learn from these successes.

This shows how much good can happen when people work together for everyone's health and safety.

NASA Scientists Share Amazing Space Stories

NASA scientists will share exciting stories about space at a big science meeting in January 2026.

The scientists will use a giant wall of computer screens called a "Hyperwall." This special display shows beautiful pictures and videos from space missions.

Visitors can learn about many wonderful topics. They will see how NASA studies weather in space. They will learn about missions that fly close to the sun. Scientists will show how satellites help us understand rain and air around the world.

The presentations happen over three days at the American Meteorological Society meeting. NASA experts will explain their discoveries in simple ways. They will show data and pictures that help us learn about Earth and space.

This is a great chance for people to see real space science. The scientists are excited to share their work with everyone who visits their booth.

History & Heritage

NASA Studies Moon Rocks to Learn About Earth's Water

NASA scientists have made an exciting discovery about Earth's water. They studied old moon rocks brought back by Apollo astronauts many years ago.

The moon is like a history book. It keeps records of space rocks that hit both Earth and the moon billions of years ago. On Earth, weather and changes erase these old records. But the moon saves them in its dust and soil.

Scientists wanted to know if space rocks brought water to Earth long ago. They used a special new way to study moon dust. They looked at tiny pieces called oxygen isotopes. These act like fingerprints that don't change over time.

The results were surprising. The space rocks could only have brought a small amount of Earth's water. This means most of our planet's water came from somewhere else.

This discovery helps us understand how Earth got its oceans and rivers. The moon rocks continue to teach us amazing things about our planet's past. NASA's research shows how valuable those old Apollo missions still are today.

Activity Time - Word Search

Find the words below in the puzzle. Words go across or down only.

Words to Find:

ROCKET

ENGINE

POWER

WATER

OCEAN

EARTH

MOON

