

# GENTLE.NEWS

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*"All I ever wanted was to reach out and touch another human being not just with my hands but with my heart."*

— Tahereh Mafi

### **NASA Tests New Wing Design for Better Flying**

NASA scientists have tested a special new wing design. The test could help make airplane flights better in the future.

The wing model is only three feet tall. Scientists attached it to a research airplane. The test flight lasted 75 minutes. Everything worked perfectly during the flight.

This new wing design helps air flow smoothly over airplane surfaces. Smooth air flow is called laminar flow. When air flows smoothly, it creates less drag on the airplane.

Less drag means airplanes use less fuel. This could make flying cheaper for everyone. It also helps protect our environment by using less fuel.

The NASA team was very excited about the successful test. One scientist said it was incredible to see their hard work pay off. NASA will do more tests to make sure the design works well.

## Nature & Environment

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### Mountain Town Hosts Winter Olympics

A beautiful mountain town in Italy is hosting the Winter Olympics. Cortina d'Ampezzo sits among tall snowy peaks in northern Italy. The town shares hosting duties with the city of Milan.

Cortina is nestled in the Dolomites mountain range. These mountains are famous for their dramatic cliffs and tall peaks. Several peaks rise over 10,000 feet above the charming town below.

Athletes are competing in many winter sports here. Skiers race down steep mountain slopes at high speeds. The main skiing venue sits on one of the tallest peaks in the area.

Other exciting events include bobsled, luge, and skeleton racing. Athletes zoom down an icy track at thrilling speeds. The track is a rebuilt version from when Cortina hosted the Olympics in 1956.

Curling events are also taking place in town. This sport requires skill and strategy rather than speed. Athletes from around the world are competing for gold medals in all these winter sports.

### **FDA Updates Hormone Therapy Information for Women**

The FDA has made important changes to hormone therapy labels. These medicines help women during menopause. The agency removed some scary warnings from the labels.

The FDA studied lots of research about these medicines. They found the old warnings were too strong. Now the labels give women better information. This helps women and doctors make good choices together.

Hormone therapy can help with menopause symptoms. These symptoms can last for years. Some women get hot flashes or trouble sleeping. The medicines can make women feel much better.

The FDA looked at 29 different companies that make these medicines. Six products got new labels first. There are four main types of hormone therapy. Each type helps women in different ways.

Women deserve clear and honest information about their health choices. The new labels will help doctors explain things better. This change helps women feel more confident about their care.

### **Scientists Learn More About Mystery Whales**

Scientists are learning new things about beaked whales. These whales are very hard to find and study. They live deep in the ocean and rarely come to the surface.

Beaked whales are some of the most mysterious animals in the sea. They spend most of their time far underwater. This makes it hard for people to see them or count how many there are.

Scientists found a clever new way to study these whales. They use special underwater microphones to listen for whale sounds. The whales make clicking noises when they hunt for food deep in the ocean.

Different types of beaked whales behave in different ways. Some dive deeper than others. Some make louder clicking sounds. The scientists discovered that goose-beaked whales are easier to find because they dive very deep and make louder clicks.

This new research helps scientists understand these amazing ocean animals better. The more we learn about beaked whales, the better we can protect them for future generations to enjoy.

### Scientists Make Progress Toward Clean Energy

Scientists are working hard to create clean energy. They want to copy how the sun makes power. This could give us lots of safe energy in the future.

The sun creates energy through something called fusion. This happens in very hot matter called plasma. But plasma can be tricky to control. It sometimes forms patterns that make it less useful.

Scientists at a lab called SLAC found a new way to study plasma. They used special X-rays to take pictures of it. This helped them see how plasma moves and changes.

For the first time, they could watch what happens inside plasma as it moves. They saw patterns form that look like threads. These patterns also create magnetic fields like those found in space.

This discovery helps scientists understand plasma better. The more they learn, the closer we get to clean energy. Someday this research might help power our homes and cities safely.

## Activity Time - Word Search

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

### Words to Find:

HEALTH

SOUNDS

SKIING

PLASMA

WOMEN

WING

CARE

