

RESOURCES AND FREEBIES FOR TEACHERS AND HOMESCHOOLERS

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Read About Lyndsey McMillon-Brown

Lyndsey McMillon-Brown

- Engineer: She designs and improves solar cells.
- Innovator: She develops new technology for space travel.
- Researcher: She studies space exploration and solar power.



As a child, Lyndsey McMillon-Brown loved space, art, and nature. She even went to space camp! Her curiosity led her to study engineering, where she discovered a passion for solar power. Now, Lyndsey is a research engineer at NASA, creating lightweight and flexible solar cells for space missions. Her work helps astronauts survive on the Moon and Mars by harnessing the Sun's energy. She is developing new solar technology that could one day be printed like newspapers and built on the Moon!

What kind of engineer is Lyndsey?

Mechanical

Electrical

Research

Solar cells get energy from _____.

The Ocean

The Sun

The Moon

What makes Lyndsey's solar cells different?

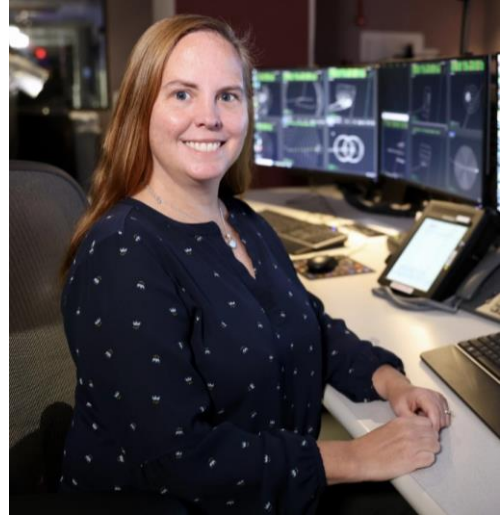
They are made of gold.

They are lightweight and flexible.

Read About Morgan Van Arsdall

Morgan Van Arsdall

- Engineer: She helps fix and improve spacecraft.
- Problem-Solver: She finds solutions.
- Leader: She helps take care of the Hubble Telescope.



Morgan Van Arsdall helps take care of the Hubble Space Telescope, which takes pictures of space. She is a Deputy Operations Manager at NASA. When something goes wrong with Hubble, she helps fix it so it can keep working. In 2021, the telescope stopped collecting data, and Morgan worked long hours to find the problem and switch to backup parts. Thanks to her team's hard work, Hubble was fixed! She is proud to help Hubble explore the universe.

What does Morgan Van Arsdall do at NASA?

Takes care of the Hubble Telescope

Builds spacecraft

What problem did Morgan help solve in 2021?

Hubble got lost in space

Hubble stopped collecting data

Why is Morgan's job important?

She helps keep Hubble working.

She trains astronauts.

Read About Phuong Marangoni

Phuong Marangoni

- Engineer: She helps design space technology.
- Planner: She helps plan NASA's space missions.
- Problem-Solver: She finds ways to improve spacecraft.



Phuong Marangoni is an engineer at NASA. She helps make sure the Gateway space station will have power and can move in space. Phuong was born in Vietnam and moved to the U.S. as a child. She went to a free space camp, which made her excited about science. She studied engineering in college and worked hard to reach her goals. Now, she helps NASA with space missions and wants to inspire students to follow their dreams in science and engineering.

What does Phuong Marangoni do at NASA?

Astronaut

Engineer

Mathematician

Where was Phuong Marangoni born?

Vietnam

Canada

France

What made Phuong interested in science?

Movies

Space Camp

Comic Books

Read About Susannah Kowalewski

Susannah Kowalewski

- Engineer: She designs and tests electrical systems for NASA.
- Innovator: She develops new technology for aircraft.
- Strategist: She finds solutions to engineering challenges.



As a child, Susannah Kowalewski dreamed of being an astronaut. In high school, she discovered engineering and realized she could still work in space science without going to space. She took NASA internships and studied electrical engineering. Now, she helps design motor controllers for NASA's X-57 Maxwell, an all-electric airplane. Her work helps make planes lighter and more efficient. Susannah found her true passion in engineering.

What did Susannah Kowalewski want to be as a child?

Teacher

Doctor

Astronaut

What job did she discover in high school?

Medicine

Writing

Engineering

What NASA project does she work on now?

X-57 Maxwell

Mars Rover

Hubble Telescope

Read About Dr. Jennifer J. Wiseman

Dr. Jennifer J. Wiseman

- Astronomer: She studies stars, planets, and galaxies.
- Scientist: She researches how stars form and change.
- Educator: She shares info about space with the public.



As a child, Jennifer Wiseman loved exploring nature and gazing at the night sky. In college, she discovered her passion for astronomy while analyzing telescope images. She even co-discovered Comet 114P/Wiseman-Skiff! After earning a Ph.D. in astronomy, she worked at NASA and became the Senior Project Scientist for the Hubble Space Telescope. Now, she helps guide space research and shares discoveries with the world.

What inspired Jennifer Wiseman to study space?

Movies about space

Seeing the night sky

Visiting NASA

What did she discover in college?

A telescope

A new planet

A comet

What space mission did she help manage?

Hubble Space Telescope

Mars Rover

Apollo

Read About Gladys Kober

Gladys Kober

- Astronomer: She studies the universe and space.
- Image Processor: She turns telescope data into pictures.
- Educator: She teaches astronomy.



As a child in Brazil, Gladys Kober became fascinated with space when she saw a drawing of the solar system. She studied astronomy in college and later worked at a planetarium, sharing her love of space with others. While working as a data analyst in Chile, she met a NASA scientist who offered her a job. Now, she processes images from the Hubble Space Telescope, creating beautiful pictures of the universe. She also teaches astronomy, helping students discover the wonders of space.

Where was Gladys Kober born?

Mexico Italy Brazil

How did she get a job at NASA?

Applied online Met a NASA scientist Won a contest

What does Gladys do as an image processor?

Build telescopes Make pictures from telescope data

Read About Anum Ashraf

Anum Ashraf

- Scientist: She studies Earth's radiation.
- Engineer: She makes instruments that help measure the climate.
- Leader: She guides a team of scientists and engineers.



Anum Ashraf is a scientist at NASA's Langley Research Center. She originally planned to become a medical doctor but discovered her passion for engineering and research. Now, she calls herself a "doctor for the planet," using her expertise to help scientists understand Earth's atmosphere. Anum enjoys being part of a team that designs instruments for space missions. Her experiences have helped her become a strong leader in her field.

What is Anum Ashraf's job?

Doctor

Scientist

Astronaut

What does Anum call herself?

Space traveler

Weather expert

Doctor for the planet

What does Anum's team design?

Instruments for space missions

Space suits

Mars rockets