

Head Back to School

with NASA eClips™

Summer 2022 Newsletter

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- NEW! ENGLISH & SPANISH Ask SME: Close-up with a NASA Subject Matter Expert Videos
- NEW! NASA's Real World Video for Grades 6-8
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NEW! Ask SME: Close-up with a NASA Subject Matter Expert Videos in English and Spanish

Dr. Egle Cekanaviciute, Space Biologist



Dr. Egle Cekanaviciute, Space Biologist, shares how she studies radiation and its effect on human brain cells.

Dr. Cekanaviciute also stresses the importance of balancing work with other interests.

[Watch the video here!](#)

Marilé Colón Robles, Project Scientist



Marilé Colón Robles, Project Scientist at NASA's Langley Research Center, shares her love for studying clouds and working with people from around the world to



Marilé Colón Robles, Científica del Proyecto en el Centro de Investigación Langley de la NASA, habla sobre su amor por estudiar las nubes y trabajar con personas de

collect data about clouds.

Watch the video in English!

todo el mundo para recopilar datos sobre las nubes.

¡Mira el video en español!

Jessica Taylor, Physical Scientist



Jessica Taylor, Physical Scientist at NASA's Langley Research Center, describes her role in developing and bringing NASA Earth Science data to the public, educators, and learners in fun and engaging ways.

She shares how her love of meteorology and, in particular, lightning sparked her interest in becoming a scientist and set her career path. She also shares the joy she finds in family-centered activities like swimming and dancing. You can also engage in NASA Earth Science with projects like My NASA Data and the GLOBE Program.

Watch the video in English!



Jessica Taylor, Científica Física del Centro de Investigación Langley de la NASA, describe su papel en el desarrollo y la demostración de los datos de NASA Earth Science al público, educadores y estudiantes de maneras divertidas y cautivadoras.

Ella cuenta cómo su amor por la meteorología y, en particular, los rayos despertó su interés en convertirse en científica y la puso en su trayectoria profesional. También habla de la felicidad que encuentra en actividades centradas en la familia, como nadar y bailar. Usted también puede participar en NASA Earth Science con proyectos como My NASA Data y el Programa GLOBE.

¡Mira el video en español!

Dr. Begoña Vila, Instrument Systems Engineer for the Webb Space Telescope



Begoña Vila, Instrument Systems Engineer for the Webb Space Telescope at NASA's Goddard Space Flight Center, describes her role in supporting the operations of the Webb telescope.

The Webb telescope is currently the largest and most complex space telescope, set to look back in time and take pictures of the first galaxies and stars in the universe.

In addition to her work on this historic project, Begoña shares her love for reading, yoga, and exploring the outdoors. She highlights her interest in both science and art and her belief that humans share the need to explore and continuously learn.

[Watch the video in English!](#)

Begoña Vila, Ingeniera de Sistemas de Instrumentos para el Telescopio Espacial Webb en el Centro de Vuelo Espacial Goddard de la NASA, describe su papel en el apoyo de las operaciones del telescopio Webb.

El telescopio Webb es actualmente el telescopio espacial más grande y complejo, creado para mirar hacia atrás en el tiempo y hacer fotografías de las primeras galaxias y estrellas del universo.

Además de su trabajo en este proyecto histórico, Begoña habla de su amor por la lectura, el yoga y la exploración de la naturaleza. Recalca su interés tanto en la ciencia como en el arte y su creencia de que los humanos tienen la necesidad de explorar y aprender continuamente.

[¡Mira el video en español!](#)

After viewing the new Ask SME videos, please complete the surveys below to provide important feedback to the NASA eClips team.

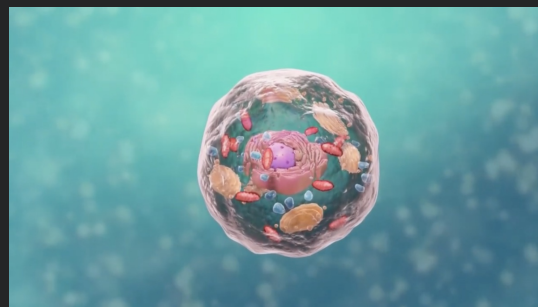
[Educators](#)

[Learners](#)

NEW! Real World Video for Grades 6-8

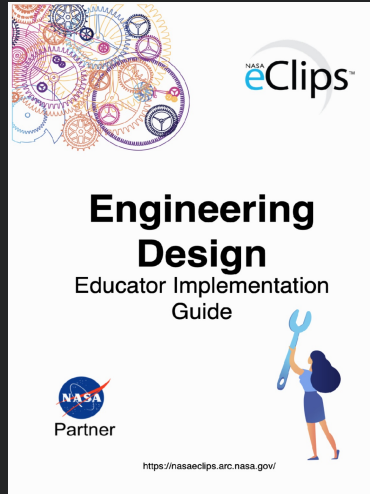
Real World: Small Systems Count - Cells in Space

Have you ever wondered what living in space would do to your body? In this Real World video, learn how NASA scientists study cells on Earth to learn how to protect astronauts from radiation during space flights. Dr. Egle Cekanaviciute describes changes in cells and cell organelles. She also compares quantitative and qualitative data and demonstrates how to calculate the percentage of mutated cells.



[Watch the video here!](#)

NEW! Implementation Guide and Engineering Design Packets



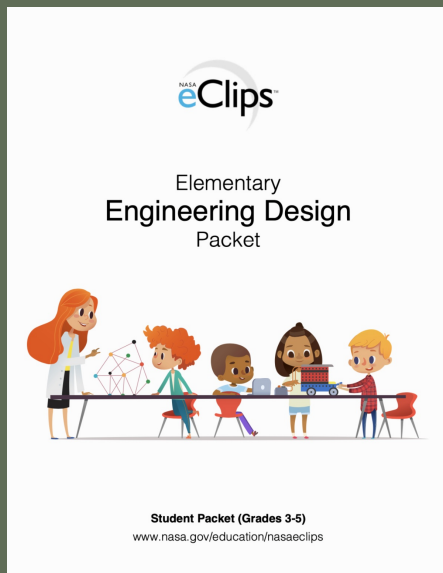
The Implementation Guide provides background information, explanations, and guiding questions to help educators use the Engineering Design Packets.

Checklists and rubrics are also included.

[View the Guide here!](#)

Engineering Design Packets

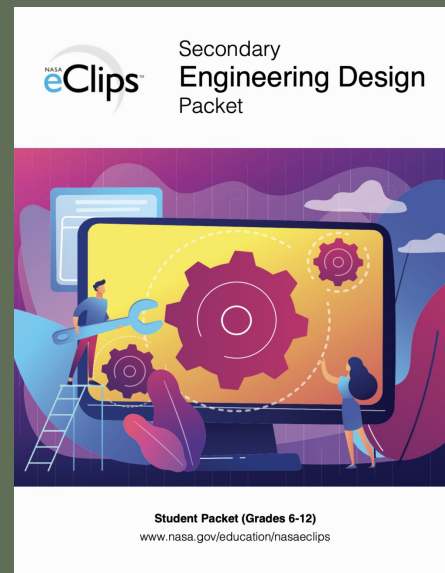
Elementary Engineering Design Packet



The Elementary Engineering Design Packet provides a framework that guides learners in grades 3 – 5 through the engineering design process. This packet is versatile and can be used in a variety of settings for all content areas. The packet includes a checklist for learners' self-assessment.

[View the Packet here!](#)

Secondary Engineering Design Packet



The Secondary Engineering Design Packet guides middle and high school age learners through a more complex engineering design process. The packet provides a framework that can be implemented in various settings. Age-appropriate checklists are included for learners' self-assessment.

[View the Packet here!](#)

Check out New Resources on our Website!

**NASA Spotlite Interactive Lesson:
Evidence of Chemical Change (Grades 6-8)**

[Watch the Spotlite video here!](#)



[View the Student Packet here!](#)

[View the Teacher Packet here!](#)

NASA Spotlite Design Challenge: Land Detectives



[View the Challenge here!](#)



[Visit the NASA eClips website!](#)



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