

ASTRONAUT

I WANT TO CHANGE THE
WORLD BY FIGHTING CLIMATE
CHANGE. I WANT TO CREATE
SOLUTIONS FOR A MORE
PEACEFUL WORLD.



LMS EVENT NEWSLETTER

ASTRONAUT BY 2040

Reaching Beyond the Classroom: Upper Secondary at Kennedy Space Center



LANIAKEA
Montessori School



This year, our Upper Secondary students traveled to the Kennedy Space Center Visitor Complex for an immersive astronaut training experience that brought science, engineering, collaboration, and global problem-solving to life.

Far beyond a traditional field trip, students stepped into simulated mission environments where they worked together to solve real-world challenges inspired by authentic NASA training. Through microgravity simulations, mission control operations, docking exercises, and Mars surface navigation, students experienced firsthand how science and innovation depend on teamwork, communication, and adaptability.

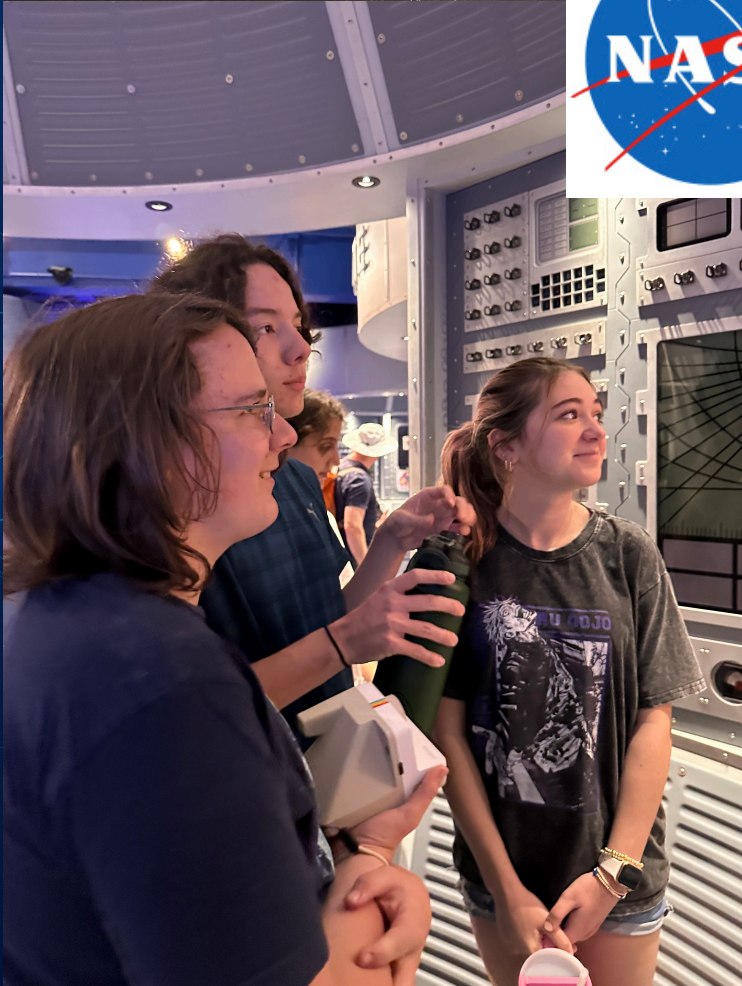
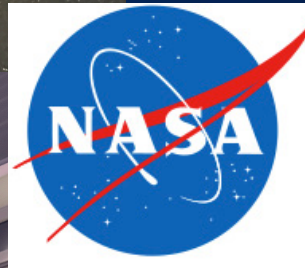
The Astronaut Training Experience (ATX) emphasizes much more than space exploration. It challenges students to think critically, collaborate under pressure, and engage in systems-based problem-solving — all skills that are deeply aligned with Montessori adolescent education.

Montessori Adolescents Reach for the Stars

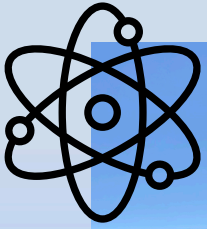
In Montessori education, adolescence is viewed as a critical period for developing social responsibility, independence, and purposeful work within a community. Experiences like this allow students to move beyond abstract learning and into environments where science, engineering, and human cooperation intersect in meaningful ways.

Our students explored not only the mechanics of space travel, but also the broader questions facing humanity:

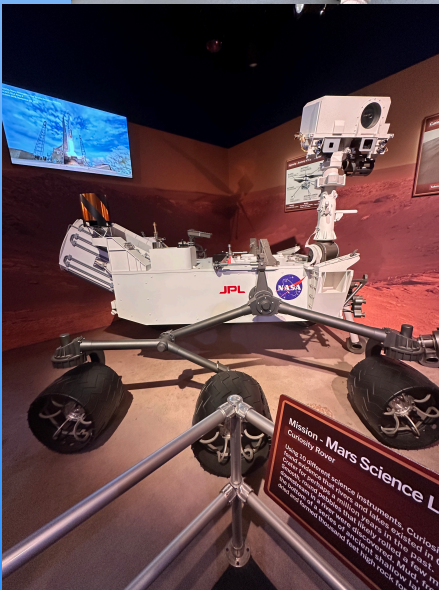
- How do humans work together across cultures and disciplines?
- How can innovation help solve complex global problems?
- What responsibility does the next generation carry as stewards of the future?



Mission to Mars: Upper Secondary Explores Space Science



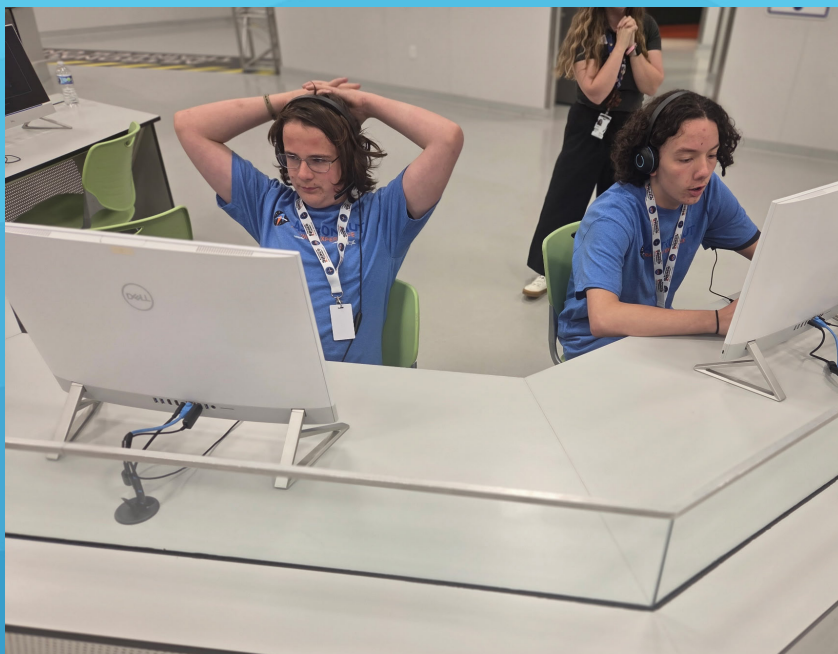
As we hand our adolescents a rapidly changing world — one shaped by technological advancement, environmental challenges, and increasing global interdependence — opportunities like this help students see themselves as capable contributors to the future. The experience reinforced the importance of curiosity, scientific inquiry, collaboration, and creative problem-solving in addressing the challenges their generation will inherit.



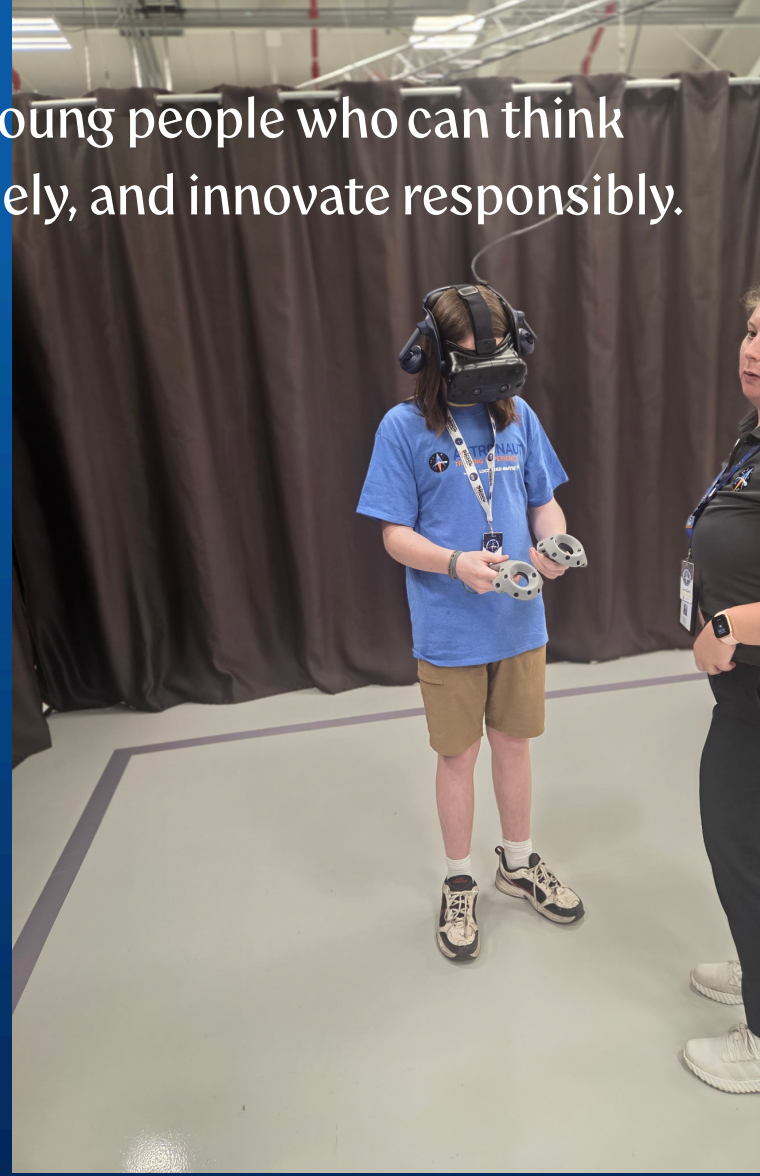


Preparing the Next Generation of Problem Solvers

Throughout the day, students rotated through immersive simulations and collaborative missions that required them to communicate effectively, think flexibly, and support one another under real-time conditions. Whether navigating a simulated Mars terrain, managing launch procedures, or participating in mission control operations, students experienced how scientific progress depends on collective effort and shared responsibility.



The future will require young people who can think critically, work collaboratively, and innovate responsibly.





STEM, Collaboration, and the Future of Exploration



Using immersive simulation technology, students worked together to solve real-world problems using authentic NASA science.



This field trip is a component of our Upper Secondary program and is intentionally integrated into our Montessori curriculum as part of our continued emphasis on STEM education, systems thinking, collaboration, and experiential learning.

Thank you to all of our parents, teachers, and community for all of the continued Adolescent support!