



POWER TO EXPLORE

RADIOISOTOPE POWER SYSTEMS

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<http://www.futureengineers.org/power-to-explore>

In celebration of the upcoming total solar eclipse, NASA invites you on an extraordinary journey to our solar system and beyond! Your challenge is to research Radioisotope Power Systems (RPS) and dream up a new RPS-powered space mission to explore a location with limited light. RPS is a type of nuclear “battery” that, for over 60 years, has enabled many spacecraft to explore some of the harshest, darkest environments, and farthest reaches of our solar system. Your entry should address the three topics below:

- 1. Dark, Dusty, or Distant Mission Destinaton:** Tell us where your RPS-powered space mission will go and describe your mission goal(s). Keep in mind that your mission can either flyby, orbit, land, or rove.
- 2. Radioisotope Power Systems (RPS):** Explain the importance and advantages of using RPS for this mission.
- 3. Your Power:** NASA missions are also powered by people—from mission planning and development to designing, launching, and operating a spacecraft. Tell us what you think your unique power is and how your special power will help you achieve mission success.

DRAFT YOUR ENTRY BELOW

Mission Name (Maximum 75 Characters)

Entry Text (Maximum 250 words)

Questions? Contact: support@futureengineers.org



[HTTPS://RPS.NASA.GOV/STEM/POWER-TO-EXPLORE/](https://RPS.NASA.GOV/STEM/POWER-TO-EXPLORE/)

