

Rendezvous with a Comet PROBE

Probe construction and scientific data collection are the primary responsibilities of the PROBE team.

Standards	Space Station Systems and CLC Teams
<p>National Science Education Standard: <i>Electricity in circuits can produce light, heat, sound, and magnetic effects. Electrical circuits require a complete loop through which an electrical current can pass.</i></p> <p>Mass Curriculum Framework: <i>Recognize that electricity in circuits requires a complete loop through which an electrical current can pass, and that electricity can produce light, heat and sound.</i></p>	<p>Guidance systems – movement toward a destination; orientation; safety</p> <p>Scientific data collection system – collect and transmit data</p>
	<p>During the CLC mission, students will apply what they have learned in the classroom to:</p> <ul style="list-style-type: none"> ○ Build a probe to launch through the tail of a comet. ○ Consider mass-thrust issues and determine which instruments are critical to the mission. ○ Test the electrical circuitry system and components of the probe. ○ Collaborate with the NAV team to determine launch coordinates. ○ Download and analyze scientific data transmitted by the probe.