



RECOMMENDED PREP LESSONS

In addition to prep activities like the vocabulary activity, job application, 25th anniversary video and dry ice comet, following are the recommended lessons that can be found in the paper or electronic version of the Challenger Mission Prep or Comet books of activities. For teams that did not have an activity in those books, a link to downloadable activities is provided for their specific jobs, below. *All activities, and additional resources, may be found at guest.portaportal.com/clcofmaine.*

The activities under "All" will benefit the whole class. The remaining categories are suggestions to be used if you prep students individually by their job teams. They can also be used if you are looking for a whole class activity on one specific aspect of the mission that may fit well with your classroom curricula.

COMET PREP book:

If you do not have a paper copy, link to guest.portaportal.com/clcofmaine

ALL - Investigating a Comet (p. ix), Cometary Orbits (p.7)

MISSION PREP book:

If you do not have a paper copy, link to guest.portaportal.com/clcofmaine

ALL- Communication (p.39), Mission Patch (p.32), Electromagnetic Spectrum (p.47)

Navigator - X, Y Coordinates (p.5), Latitude and Longitude (p.9)

Life Support Specialist - Reading Equipment with Scales (p.24)

Aeronautical Engineer - Communication (p.39)

Communications Officer - Communication (p.39)

HazMat - Average Temperature (p.28)

Medical - Blood Pressure and Pulse (p.16)

Biologist - Acids and Bases (p.1)

DOWNLOADABLE ACTIVITIES

for SPACE METEOROLOGIST, SOLAR ARRAY MONITOR AND ROBOTIC SPECIALIST:

Space Meteorologist- resource: <http://hesperia.gsfc.nasa.gov/sftheory/spaceweather.htm>

Four Space Weather activities can be found at:

http://sunearthday.nasa.gov/swac/materials/instructional_guide_V4.pdf (computer access required)

Space Weather flip book activity: <http://www.sciencenetlinks.com/lessons.php?BenchmarkID=4&DocID=166>

Solar Array Monitor - activity can be downloaded at guest.portaportal.com/clcofmaine if not received at workshop

Robotic Specialist- risk assessment activity: <http://www.pbs.org/teachers/connect/resources/4744/>