

Rendezvous with a Comet Medical (MED)

The health and safety of the crew are the primary responsibilities of the MEDteam.

Standards	Space Station Systems and CLC Teams
<p>National Science Education Standard: <i>Organisms can survive only in environments in which their needs can be met.</i> <i>Regular exercise is important to the maintenance and improvement of health. The benefits of physical fitness include maintaining healthy weight, having energy and strength for routine activities, good muscle tone, bone strength, strong heart/lung systems and improved mental health.</i></p> <p>Mass HEALTH Curriculum Framework: <i>Identify physical and psychological changes that result from participation in a variety of physical activities.</i> <i>Apply basic principles of training and appropriate guidelines of exercise to improve immediate and long-term physical fitness.</i></p>	<p>Atmosphere system –contamination control; radiation detection</p> <p>Human metabolic systems – health and safety of the crew</p>
	<p>During the CLC mission, students will apply what they have learned in the classroom to:</p> <ul style="list-style-type: none"> ○ Monitor human metabolic systems; vital signs. (LS and REM monitor oxygen-carbon dioxide exchange in the space station.) <ul style="list-style-type: none"> ▪ visual reaction time ▪ audio reaction time ▪ blood pressure ▪ respiration rate heart rate ○ Check radiation detection badges. <ul style="list-style-type: none"> ▪ indication of radiation build up (ISO 3 tests radiation levels in air filters. LS monitors air flow and air filtration systems.)

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