

# STS-125 Simulation Student Worksheet

Use the help button in the ESS simulation to learn about the different experiments and upgrades to the Hubble Space Telescope. For additional information visit:

<http://www.nasa.gov/audience/foreducators/hubble-index.html> or  
[http://www.nasa.gov/mission\\_pages/hubble/servicing/SM4/main/index.html](http://www.nasa.gov/mission_pages/hubble/servicing/SM4/main/index.html).

- 1. Why is there a need to replace the Wide Field Camera used by the Hubble Space Telescope?**
- 2. Why was the Corrective Optical Space Telescope Axial Replacement originally needed?**
- 3. How does the Hubble Space Telescope get its power?**
- 4. What are some of the hazards of spacewalks?**
- 5. How is the extreme temperature range encountered during spacewalks solved using science and technology?**