

### Celestial Navigation Rubric

	<b>1 Beginning</b>	<b>2 Accomplished</b>	<b>3 Captain Cook</b>
<b>Identification of resources</b>	Help needed in identifying which objects are relevant	Essential constellations/celestial objects identified	Essential constellations/celestial objects identified and additional ones are found to confirm correctness
<b>Methodology</b>	Guess at an answer based on intuition and experience.	Recalls answers using memorized scenarios.	A few guiding principles are used to logically arrive at a final answer.
<b>Communication</b>	Major portions of reasoning and methodology are skipped.	Explains some steps in methodology but some key steps missing.	Methodology described in a logical progression.
<b>Correctness</b>	Cardinal directions off by more than 45 degrees.	Cardinal directions close, but between 15 degrees and 45 degrees off.	Cardinal directions identified to within 15 degrees
<b>Bird's Eye View</b>	Ground-based view and bird's eye view are incompatible.	Ground-based view and bird's eye view are correct, but there is difficulty in connecting the two.	Correct explanation of relation between relevant celestial bodies/constellations, their light, the cardinal directions and one's position on the Earth's surface

## Example Planetarium Scenarios

Scenario 1



Location unknown, time unknown

Scenario 2



Ithaca, NY 6:30pm

