

### Asteroid Mining – Rubric

	Level 4	Level 3	Level 2	Level 1
<b>Knowledge and Understanding</b>	<p>Demonstrates thorough understanding of physical and orbital characteristics of asteroids and/or comets and their locations in the solar system.</p> <p>Demonstrates thorough understanding of new technologies used or being planned for solar system investigation.</p>	<p>Demonstrates considerable understanding of physical and orbital characteristics of asteroids and/or comets and their locations in the solar system.</p> <p>Demonstrates considerable understanding of new technologies used or being planned for solar system investigation</p>	<p>Demonstrates some understanding of physical and orbital characteristics of asteroids and/or comets and their locations in the solar system.</p> <p>Demonstrates some understanding of new technologies used or being planned for solar system investigation</p>	<p>Demonstrates limited understanding of physical and orbital characteristics of asteroids and/or comets and their locations in the solar system.</p> <p>Demonstrates limited understanding of new technologies used or being planned for solar system investigation</p>
<b>Application</b>	<p>Identifies target objects with a high degree of specificity towards established criteria.</p> <p>Creates a detailed plan for harvesting resources.</p>	<p>Identifies target objects with a good degree of specificity towards established criteria.</p> <p>Creates a plan for harvesting resources with some details.</p>	<p>Identifies target objects with some specificity with regards to established criteria.</p> <p>Creates a plan for harvesting resources with few details.</p>	<p>Identifies target objects with some criteria addressed.</p> <p>Creates a plan for harvesting resources with very few details.</p>

	<b>Level 4</b>	<b>Level 3</b>	<b>Level 2</b>	<b>Level 1</b>
<b>Thinking and Investigation</b>	<p>Identifies criteria for targets with great detail and insight.</p> <p>Describes connections between new technologies and the exploitation of space resources in great detail.</p> <p>Analyses financial challenges with a good degree of insight.</p> <p>Political considerations related to, and economic and environmental consequences of, asteroid or comet mining are addressed insightfully and in great detail.</p>	<p>Identifies criteria for targets with detail and insight.</p> <p>Describes connections between new technologies and the exploitation of space resources with some detail.</p> <p>Analyses financial challenges with some insight.</p> <p>Political considerations related to, and economic and environmental consequences of, asteroid or comet mining are addressed in some detail.</p>	<p>Identifies criteria for targets with some detail and insight.</p> <p>Describes some connections between new technologies and the exploitation of space resources.</p> <p>Analyses financial challenges with some insight.</p> <p>Political considerations related to, and economic and environmental consequences of, asteroid or comet mining are addressed in a general way.</p>	<p>Identifies one or two criteria for targets. Describes few connections between new technologies and the exploitation of space resources.</p> <p>Analyses financial challenges with little insight. Political considerations related to, and economic and environmental consequences of, asteroid or comet mining are somewhat addressed.</p>
<b>Communication</b>	<p>Presentation is compelling and well researched. Presentation is visually appealing. All sections of the pitch are present.</p> <p>No spelling, punctuation or grammar errors or very few mistakes presented in report.</p>	<p>Presentation is good and well researched.</p> <p>Presentation is visually appealing. All sections of the pitch are present.</p> <p>Minor errors in spelling, punctuation or grammar presented in report.</p>	<p>Presentation is good.</p> <p>Presentation is somewhat visually appealing. Most sections of the pitch are present.</p> <p>Somewhat considerable errors in spelling, punctuation or grammar presented in report.</p>	<p>Presentation is made. Most sections of the pitch are present.</p> <p>Significant errors in spelling, punctuation or grammar presented in report.</p>