

## Rubric for Underwater ROV Design and Manufacture

Student Name \_\_\_\_\_

Period \_\_\_\_\_

Date: \_\_\_\_\_

		<i>Does Not Meet the Standard</i>	<i>Partially Meets the Standard</i>	<i>Meets the Standard</i>	<i>More Than Meet the Standard</i>	<i>Meets the Standard to a High Degree</i>
		<i>Up to 60% Compliance</i>	<i>60% to 69% Compliance</i>	<i>70% to 79% Compliance</i>	<i>80% to 89% Compliance</i>	<i>90% &amp; above Compliance</i>
<b><i>IET Standards and Performance Indicators</i></b>						
<b><u>Hawaii DOE Standard</u></b>	<b>IC-1: Systems</b> <b>IC-2: Design</b> <b>IC-3: Technology</b> <b>IC-4: Professional Development</b> <b>IC-5: Energy and Transformation</b> <b>IC-6: Forces and Motion</b> <b>IC-7: Material Science</b> <b>IC-8: Workplace Communication</b> <b>IC-9: Safety, Health, and Environment</b> <b>IC-10: Excellence in Service</b>  <b>I am able to</b> ✓ Design an underwater ROV ✓ Manufacture and pilot an underwater ROV ✓ Identify parts and manage costs of the underwater ROV ✓ Present design and delivery information in verbal and written form	Cannot accurately complete an ROV drawing.  Unable to manufacture an ROV  Unable to pilot an ROV  Cannot identify ROV parts and their costs  Unable to professionally present design and delivery information in written and/or verbal form	ROV design is up to 60% complete  ROV is 60% manufactured but unable to operate  Identifies up to 60% of the ROV parts and their costs  Presentations (written and verbal) contain and/or deliver up to 60% of the material requested	ROV design is up to 70% complete  ROV is up to 70% manufactured and able to perform most missions  Identifies up to 70% of the ROV parts and their costs  Presentations (written and verbal) contain and/or deliver up to 70% of the material requested	ROV design is up to 80% complete  ROV is up to 80% manufactured and able to perform the majority of missions  Identifies up to 80% of the ROV parts and their costs  Presentations (written and verbal) contain and/or deliver up to 80% of the material requested	ROV design is complete  ROV is manufactured and able to perform all missions  Identifies all ROV parts and their costs  Presentations (written and verbal) contain and/or deliver all material requested