

**2022 ROBOTICS RUBRIC - "JUDGING CRITERIA" – ACTE**  
**Alabama Consortium for Technology in Education**

<b>ROBOTICS</b>	<b>MINIMAL</b>	<b>PARTIAL</b>	<b>MASTERY</b>	<b>RANK</b>
<p align="center"><b>PORTFOLIO - DOCUMENTATION</b> 0 – 10</p> <p>Did student(s) include citations for sources &amp; permissions for non-student produced material?</p>	<p>0 – 5</p> <p>Little to none of the required documentation present.</p>	<p>6 – 9</p> <p>Some or most of the required documentation present.</p>	<p>10</p> <p>All required citations and permissions are present or none needed.</p>	
<p align="center"><b>PROJECT COMPLETION</b> 0 – 15</p> <p>Did student(s) complete the entire project?</p>	<p>0 – 5</p> <p>Robot is incomplete. Robot barely works or does not work at all.</p>	<p>6- 10</p> <p>Robot incomplete. Needs more work to be fully functional.</p>	<p>11 – 15</p> <p>Robot complete. Functions as designed with student programming.</p>	
<p align="center"><b>CREATIVITY</b> 0 – 20</p> <p>Did student(s) use a higher level of creativity throughout the design process and presentation?</p>	<p>0 – 7</p> <p>Minimal levels of creativity shown in the project design and oral presentation.</p>	<p>8 – 14</p> <p>Displays lower level of creativity in the design process and oral presentation.</p>	<p>15 – 20</p> <p>High level of creativity throughout design and oral presentation. Unique, well planned and creative.</p>	
<p align="center"><b>PURPOSE</b> 0 – 25</p> <p>Did all parts of the project work together for the intended purpose?</p>	<p>0 – 9</p> <p>Little to none of the elements of the design fit the purpose of the robot.</p>	<p>10 - 17</p> <p>Some elements are unnecessary, missing or do not fit the purpose of the robot. Robot requires some human interaction to complete task.</p>	<p>18 – 25</p> <p>Robot performs tasks created by student programming with no human interaction to perform stated tasks.</p>	
<p align="center"><b>UNDERSTANDING</b> 0 – 30</p> <p>Did student(s) demonstrate a solid understanding of the software in development of the project?</p>	<p>0 – 10</p> <p>Student displays little to no understanding of the software used to create the robot.</p>	<p>11 – 20</p> <p>Drag and drop interface used to program robot. Pre-built scripts used to control robot.</p>	<p>21 – 30</p> <p>Student explains specific questions about means to program and control robot. Mastery of understanding programmed language used.</p>	
<b>COMMENTS</b>			<b>TOTAL SCORE</b>	