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| **Behind The Scenes (Code in everyday life) – Assessment Rubric Strand B** |
| **Criteria** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Communication- provide a description of the systems using appropriate terminology related to motion including position, distance, displacement, speed, and acceleration** | - provides an explanation of the systems’ motion using limited appropriate terminology | - provides an explanation of the systems’ motion using some appropriate terminology | - provides an explanation of the systems’ motion using a considerable amount of appropriate terminology | - provides a thorough explanation of the systems’ motion using a high degree of appropriate terminology |
| **Communication- discuss the forces and net forces involved in the motion of the system** | - identifies the forces and net forces related to the motion of the systems with limited clarity | - identifies the forces and net forces related to the motion of the systems with some clarity | - identifies the forces and net forces related to the motion of the systems with considerable clarity | - identifies the forces and net forces related to the motion of the systems with a high degree of clarity |
| **Thinking- determine a set of logical steps likely executed to complete one full cycle of your systems** | - the decomposition of the overall system is complete but explained with limited clarity | - the decomposition of the overall system is complete and explained with some clarity | - the decomposition of the overall system is complete and explained with considerable clarity | - the decomposition of the overall system is complete and explained with a high degree of clarity |

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| **Behind The Scenes (Code in everyday life) – Assessment Rubric Strand C** |
| **Criteria** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Communication- provide a description of the mechanical systems using appropriate terminology including coefficients of friction, torque, and mechanical advantage** | - provides an explanation of the mechanical system using limited appropriate terminology | - provides an explanation of the mechanical system using some appropriate terminology | - provides an explanation of the mechanical system using a considerable amount of appropriate terminology | - provides an explanation of the mechanical system using a high degree of appropriate terminology |
| **Communication- discuss the work input and output on the mechanical system** | - discuss the work done to and/or by the mechanical systems with limited clarity | - discuss the work done to and/or by the mechanical systems with some clarity | - discuss the work done to and/or by the mechanical systems with considerable clarity | - discuss the work done to and/or by the mechanical systems with a high degree of clarity |
| **Thinking- determine a set of logical steps likely executed to complete one full cycle of your systems** | - the decomposition of the overall system is complete but explained with limited clarity | - the decomposition of the overall system is complete and explained with some clarity | - the decomposition of the overall system is complete and explained with considerable clarity | - the decomposition of the overall system is complete and explained with a high degree of clarity |

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| **Behind The Scenes (Code in everyday life) – Assessment Rubric Strand F** |
| **Criteria** | **Level 1** | **Level 2** | **Level 3** | **Level 4** |
| **Communication- describe common components used in hydraulic systems and explain their functions** | - the functions and roles of the components found within the systems are described with limited clarity  | - the functions and roles of the components found within the systems are described with some clarity | - the functions and roles of the components found within the systems are described with considerable clarity | - the functions and roles of the components found within the systems are described with a high degree of clarity |
| **Communication- state Pascal and/or Bernoulli’s Principle and explain how they apply to your systems** | - Pascal and/or Bernoulli’s principle, as well as its role in your systems, are explained with limited clarity | - Pascal and/or Bernoulli’s principle, as well as its role in your systems, are explained with some clarity | - Pascal and/or Bernoulli’s principle, as well as its role in your systems, are explained with considerable clarity | - Pascal and/or Bernoulli’s principle, as well as its role in your systems, are explained with a high degree of clarity |
| **Thinking- determine a set of logical steps likely executed to complete one full cycle of your systems** | - the decomposition of the overall system is complete but explained with limited clarity | - the decomposition of the overall system is complete and explained with some clarity | - the decomposition of the overall system is complete and explained with considerable clarity | - the decomposition of the overall system is complete and explained with a high degree of clarity |