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| *2021 MCAS Competency Portfolio*WORK DESCRIPTION for High School Competency Portfolio in High School Science and Technology/Engineering TECHNOLOGY/ENGINEERING**(Attach one WORK DESCRIPTION to each work sample in the portfolio.)** |
|  **Student’s** **Name:** |  | **Date work was produced:** |  |
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| A minimum of **ten Technology/Engineering standards** must be documented in all, with each topic in this discipline addressed at least once in the portfolio. Standards are based on the [*2006 Science and Technology/Engineering Curriculum Framework*](http://www.doe.mass.edu/frameworks/archive.html)*.***Be sure to include:*** a clear description of the activity, a summary of the student’s observations, an explanation or analysis of findings, and conclusion(s). Drafts may also be included.
* a score (% accurate) for each piece of student work with all incorrect answers marked.
* work samples produced as independently as possible by the student, with all corrections clearly marked, and a description of the assistance given to the student. The level of independence must be indicated below. Work may not be corrected by the teacher and submitted as the student’s own work.
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| **Please indicate the topic(s) and learning standard(s) documented in the attached work sample.** |
| [ ]  | **Engineering Design** | [ ]  1.1 [ ]  1.2 [ ]  1.3 [ ]  1.4 [ ]  1.5 |
| [ ]  | **Construction Technologies** | [ ]  2.1 [ ]  2.2 [ ]  2.3 [ ]  2.4 [ ]  2.5 [ ]  2.6 |
| [ ]  | **Energy and Power Technologies—Fluid Systems**  | [ ]  3.1 [ ]  3.2 [ ]  3.3 [ ]  3.4 [ ]  3.5 |
| [ ]  | **Energy and Power Technologies—Thermal Systems**  | [ ]  4.1 [ ]  4.2 [ ]  4.3 [ ]  4.4 |
| [ ]  | **Energy and Power Technologies—Electrical Systems**  | [ ]  5.1 [ ]  5.2 [ ]  5.3 [ ]  5.4 [ ]  5.5 |
| [ ]  | **Communication Technologies** | [ ]  6.1 [ ]  6.2 [ ]  6.3 [ ]  6.4 [ ]  6.5 |
| [ ]  | **Manufacturing Technologies** | [ ]  7.1 [ ]  7.2 [ ]  7.3 |
| **ON THE ATTACHED WORK SAMPLE:** |
| What score did the student receive? (Level of Accuracy = |  | %) |
| How much was done independently by the student? (Level of Independence = |  | %) |
| If Level of Independence is less than 100%, what type of assistance, coaching, and/or prompting did the student receive on the attached piece? |
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| Describe any accommodations the student received. (Note: Accommodations do not affect Level of Independence.)  |
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| What was the student asked to do in order to complete the attached piece (i.e., what was the assignment)?  |
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Massachusetts Department of Elementary and Secondary Education