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| *2023 MCAS Competency Portfolio*WORK DESCRIPTION for “Next-Generation” High School Competency Portfolio in**Science and Technology/Engineering**BIOLOGY**(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 **eight Biology standards** must be documented**:** **5** required standards, plus **3** at the discretion of the educator. In addition, **a minimum of** **4 different** [**science practices**](http://www.doe.mass.edu/frameworks/scitech/2016-04.pdf) must be documented throughout the work submitted in the Biology portfolio. Standards are based on the [*2016 Science and Technology/Engineering Curriculum Framework*](http://www.doe.mass.edu/frameworks/current.html)*.* **Evidence submitted in the Biology competency portfolio must include:*** work samples that, taken together, document all aspects of the standard being assessed. Drafts may be included.
* a clear description of each activity and an explanation, analysis of findings, and/or conclusion(s).
* work samples produced as independently as possible by the student, with all corrections clearly marked.
* percent of accuracy for each piece of student work, with all incorrect answers marked.
* percent of independence indicated below, plus a description of the assistance given to the student.
* Work samples may not be corrected by the teacher and submitted as the student’s own work.
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| **Below, please indicate the learning standard documented in the attached work sample. Required standards are boldfaced and underlined.** |
| **Molecules to Organisms** | [ ]  **HS-LS1-1** [ ]  HS-LS1-2 [ ]  HS-LS1-3 [ ]  HS-LS1-4 [ ]  HS-LS1-5[ ]  HS-LS1-6 [ ]  HS-LS1-7 |
| **Ecosystems** | [ ]  **HS-LS2-1** [ ]  HS-LS2-2 [ ]  HS-LS2-4 [ ]  **HS-LS2-5** [ ]  HS-LS2-6[ ]  HS-LS2-7 |
| **Heredity** | [ ]  HS-LS3-1 [ ]  HS-LS3-2 [ ]  **HS-LS3-3** [ ]  HS-LS3-4 |
| **Biological Evolution** | [ ]  HS-LS4-1 [ ]  HS-LS4-2 [ ]  HS-LS4-4 [ ]  **HS-LS4-5** |
| **Please indicate the science practice(s), if any, documented in the attached work sample.** |
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| [ ]  1. Asking questions and defining problems | [ ]  5. Using mathematics and computational thinking |
| [ ]  2. Developing and using models | [ ]  6. Constructing explanations and designing solutions |
| [ ]  3. Planning and carrying out investigations | [ ]  7. Engaging in argument from evidence |
| [ ]  4. Analyzing and interpreting data | [ ]  8. Obtaining, evaluating, and communicating information |

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| **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? |
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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 to complete the attached work sample (i.e., what was the assignment)?  |
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Massachusetts Department of Elementary and Secondary Education