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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. | | | | | | | |
| **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.** | | | | | | | |
| |  |  | | --- | --- | | 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 | | | | | | | | |
| **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? | | | | | | | | |
|  | | | | | | | |
| 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