Science Fair Rubric: Inquiring and Designing, Year 1.

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| MYP Score | MYP Criteria | Task Specifics |
| 0 (0-59) | The student does not reach a standard described by any of the descriptors below. | Slides 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, and 21 are not completed. |
| 1-2 (60-69) | The student is able to:  i. **select** a problem or question to be tested by a scientific investigation  ii. **select** a testable prediction  iii. **state** a variable  iv. design a **method with limited success**. | 1. Slides 3, 4, 5, 6, 21 2. Slide 12 3. Slides 7, 8, 9 4. Slides 10, 11, 13, 14 |
| 3-4 (70-79) | The student is able to:  i. **state** a problem or question to be tested by a scientific investigation  ii. **state** a testable prediction  iii. **state** how to manipulate the variables, and **state** how **data** will be collected  iv. design a **safe method** in which he or she **selects materials and equipment**. | i. Slides 3, 4, 5, 6, 21  ii. Slide 12  iii. Slides 7, 8, 9  iv. Slides 10, 11, 13, 14 |
| 5-6 (80-89) | The student is able to:  i. **state** a problem or question to be tested by a scientific investigation  ii. **outline** a testable prediction  iii. **outline** how to manipulate the variables, and **state** how **relevant data** will be collected  iv. design a **complete and safe method** in which he or she **selects appropriate materials and equipment**. | i. Slides 3, 4, 5, 6, 21  ii. Slide 12  iii. Slides 7, 8, 9  iv. Slides 10, 11, 13, 14 |
| 7-8 (90-100) | The student is able to:  i. **outline** a problem or question to be tested by a scientific investigation  ii. **outline** a testable prediction **using scientific reasoning**  iii. **outline** how to manipulate the variables, and **outline** how **sufficient, relevant data** will be collected  iv. design a **logical, complete and safe method** in which he or she **selects appropriate materials and equipment**. | i. Slides 3, 4, 5, 6, 21  ii. Slide 12  iii. Slides 7, 8, 9  iv. Slides 10, 11, 13, 14 |

MYP Score: Grade: Letter Grade:

Science Fair Rubric: Processing and Evaluating, Year 1.

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| MYP Score | MYP Criteria: The student is able to… | Task Specifics |
| 0 (0-59) | The student does not reach a standard described by any of the descriptors below. | Slides 15, 16, 17, 18, 19, and 20 not completed. |
| * 1. (60-69) | **i.collect and present** data in numerical and/or visual forms  ii. **interpret** data  iii. **state** the validity of a prediction based on the outcome of a scientific investigation, **with limited success**  iv. **state** the validity of the method based on the outcome of a scientific investigation, **with limited success**  v. **state** improvements or extensions to the method that would benefit the scientific investigation, **with limited success**. | i. 15, 16  ii. 17  iii. 18  iv.19  v.20 |
| 3-4 (70-79) | **i.correctly collect and present** data in numerical and/or visual forms  ii. **accurately interpret** data and **outline** results  iii. **state** the validity of a prediction based on the outcome of a scientific investigation  iv. **state** the validity of the method based on the outcome of a scientific investigation  v. **state** improvements or extensions to the method that would benefit the scientific investigation. | i. 15, 16  ii. 17  iii. 18  iv.19  v.20 |
| 5-6 (80-89) | i.c**orrectly collect, organize and present** data in numerical and/or visual forms  ii. **accurately interpret** data and **outline** results **using scientific reasoning**  iii. **outline** the validity of a prediction based on the outcome of a scientific investigation  iv. **outline** the validity of the method based on the outcome of a scientific investigation  v. **outline** improvements or extensions to the method that would benefit the scientific investigation. | i. 15, 16  ii. 17  iii. 18  iv.19  v.20 |
| 7-8 (90-100) | i.c**orrectly collect, organize, transform and present** data in numerical and/ or visual forms  ii. **accurately interpret data** and **outline** results **using correct scientific reasoning**  iii. **discuss** the validity of a prediction based on the outcome of a scientific investigation  iv. **discuss** the validity of the method based on the outcome of a scientific investigation  v. **describe** improvements or extensions to the method that would benefit the scientific investigation. | i. 15, 16  ii. 17  iii. 18  iv.19  v.20 |

MYP Score: Grade: Letter Grade: