

6th Grade Capstone Project - Teacher Grading Form
Science Fair

The capstone project for 6th grade will consist of 3 major components; an experiment that the student will conduct following the scientific method, a visual report that demonstrates the findings of their experiment, and a presentation in which they share the steps and results of their experiment.

Experiment	Report	Science Fair Presentation
<p>Scientific Method:</p> <p>Grade Develop a question that can be answered through experimentation (SC 6.1.1.a & b & c & f, LA 6.4.1.a)</p> <p>Grade Develop a hypothesis (SC 6.1.1.a & b & c & f)</p> <p>Grade Determine Independent and Dependent variables (SC 6.1.1.a & b & c & f)</p> <p>Grade Create a sequence of repeatable steps to test hypotheses (SC 6.1.1.a & b & c & f)</p> <p>Grade Report on findings (SC 6.1.1.a & b & c & f, LA 6.3.1.a)</p> <p>Grade Assess accuracy and necessary changes to experiment or hypotheses (SC 6.1.1.a & b & c & f)</p>	<p>Expository Writing:</p> <p>Grade Organized according to sequence of the scientific method (LA 6.2.2.c, 6 Trait - Ideas & Organization)</p> <p>Grade Report is fact driven. (LA 6.2.2.c, 6 Trait - Ideas)</p> <p>Grade Report is written with audience targeted at students (LA 6.2.2.b, 6 Trait - Word Choice)</p> <p>Grade Report uses appropriate transitions (LA 6.2.1.e, 6 Trait - Organization)</p> <p>Grade Report clearly identifies hypotheses, variables, results, and conclusion (SC 6.1.1.a & b, 6 Trait - Organization)</p>	<p>Presenting Skills:</p> <p>Grade Appropriate use of eye contact (C1, L2, LA 6.3.1.b)</p> <p>Grade Appropriate use of posture (C1, L2, LA 6.3.1.b)</p> <p>Grade Appropriate use of gestures (C1, L2, LA 6.3.1.b)</p> <p>Grade Appropriate use of facial expression (C1, L2, LA 6.3.1.b)</p> <p>Grade Appropriate use of volume (C1, L2, LA 6.3.1.b)</p> <p>Grade Appropriate use of rate (C1, L2, LA 6.3.1.b)</p> <p>Grade Appropriate use of expression (C1, L2, LA 6.3.1.b)</p> <p>Grade Correct demonstration of experiment (L2, LA 6.3.1.c)</p>
<p>Experiment Procedure:</p> <p>Grade Follow steps created in above section (L2)</p> <p>Grade Record the experiment through using pictures (T1, LA 6.3.1.c)</p> <p>Grade Accurately measure results using appropriate unit (cm, kg, etc.) (MA 6.2.5.b.e)</p> <p>Grade Perform test 3 times to test accuracy</p>	<p>Grade Report uses standard grammar and spelling (T1, LA 6.2.1.e, LA 6.2.2.a, 6 Trait - Conventions)</p> <p>Grade Appropriate citations (as needed) (L-2, T-1, LA 6.4.1.b)</p>	<p>Science Fair Board:</p> <p>Grade Appropriate Title for Experiment (L1, C2, T1, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p> <p>Grade Big Question (L1, C2, T1, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p> <p>Grade Hypotheses (C1, C2, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p> <p>Grade Sequence of Steps (C1, C2, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p> <p>Grade Identification of variables (C1, C2, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p> <p>Grade Photos of experiment in action (C1, C2, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p> <p>Grade Chart showing findings: measurements/analysis (C1, C2, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p> <p>Grade Conclusion comparing results and hypotheses (C1, C2, SC 6.1.1.a & b & c & f, LA 6.2.1.f)</p>