



eCYBERMISSION provides teachers the opportunity to incorporate the Common Core Math and Language Arts Standards through the investigation of real world problems for students in grades 6-9. Students are able to meet various standards in math and language arts such as:

- Summarize numerical data sets in relation to their context, such as by describing the nature of the attribute under investigation, including how it was measured and its units of measurement. (CCSS.Math.Content.6.SP.B.5.b)
- Solve real-world and mathematical problems involving the four operations with rational numbers. (CCSS.Math.Content.7.NS.A.3)
- Solve real-world and mathematical problems leading to two linear equations in two variables. (CCSS.Math.Content.8.EE.C.8.c)
- Use units as a way to understand problems and to guide the solution of multi-step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays. (CCSS.Math.Content.HSN.Q.A.1).
- Grades 6-12 Literacy in Science & Technical Subjects
 - **Key Ideas and Details:**
 - Cite specific textual evidence to support analysis of science and technical texts. (CCSS.ELA-Literacy.RST.6-8.1)
 - Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions. (CCSS.ELA-Literacy.RST.6-8.2)
 - Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks. (CCSS.ELA-Literacy.RST.6-8.3)
 - Cite specific textual evidence to support analysis of primary and secondary sources, attending to such features as the date and origin of the information. (CCSS.ELA-Literacy.RH.9-10.1)
 - Determine the central ideas or information of a primary or secondary source; provide an accurate summary of how key events or ideas develop over the course of the text. (CCSS.ELA-Literacy.RH.9-10.2)
 - Analyze in detail a series of events described in a text; determine whether earlier events caused later ones or simply preceded them. (CCSS.ELA-Literacy.RH.9-10.3)
 - **Craft and Structure:**
 - Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to *grades 6-8 texts and topics*. (CCSS.ELA-Literacy.RST.6-8.4)
 - Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic. (CCSS.ELA-Literacy.RST.6-8.5)
 - Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text. (CCSS.ELA-Literacy.RST.6-8.6)
 - Determine the meaning of words and phrases as they are used in a text, including vocabulary describing political, social, or economic aspects of history/social science. (CCSS.ELA-Literacy.RH.9-10.4)
 - Analyze how a text uses structure to emphasize key points or advance an explanation or analysis. (CCSS.ELA-Literacy.RH.9-10.5)



- Compare the point of view of two or more authors for how they treat the same or similar topics, including which details they include and emphasize in their respective accounts. (CCSS.ELA-Literacy.RH.9-10.6)
- **Integration of Knowledge and Ideas:**
 - Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table). (CCSS.ELA-Literacy.RST.6-8.7)
 - Distinguish among facts, reasoned judgment based on research findings, and speculation in a text. (CCSS.ELA-Literacy.RST.6-8.8)
 - Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic. (CCSS.ELA-Literacy.RST.6-8.9)
 - Integrate quantitative or technical analysis (e.g., charts, research data) with qualitative analysis in print or digital text. (CCSS.ELA-Literacy.RH.9-10.7)
 - Assess the extent to which the reasoning and evidence in a text support the author's claims. (CCSS.ELA-Literacy.RH.9-10.8)
 - Compare and contrast treatments of the same topic in several primary and secondary sources. (CCSS.ELA-Literacy.RH.9-10.9)
- **Range of Reading and Level of Text Complexity:**
 - By the end of grade 8, read and comprehend science/technical texts in the grades 6-8 text complexity band independently and proficiently. (CCSS.ELA-Literacy.RST.6-8.10)
 - By the end of grade 10, read and comprehend history/social studies texts in the grades 9-10 text complexity band independently and proficiently. (CCSS.ELA-Literacy.RH.9-10.10)

Along with the specific examples listed above, students will be meeting additional Common Core standards based on the project they choose just by completing their Mission Folder and answering questions regarding their research and analysis of their findings.