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|  Literacy Standards - Reading **Key Ideas & Details*** 1. Read closely; cite specific textual evidence …
* 2. Determine central ideas of a text & analyze their development; summarize the key supporting details and ideas
* 3. Analyze how and why ideas develop & interact over the course of a text

**Craft and Structure*** 4. Interpret words &phrases as they are used in text..
* 5. Analyze the structure of texts …
* 6. Assess how point of view or purpose shapes the content and style of a text.

**Integration of Knowledge and Ideas*** 7. Integrate and evaluate content presented in diverse media and formats …
* 8. Delineate and evaluate the argument and specific claims in a text …
* 9. Analyze how two or more texts address similar themes or topics …

**Range of Reading & Level of Text Complexity*** 10. Read and comprehend science /technical texts at grade level independently and proficiently

**Literacy Standards - Writing****Text Types and Purposes*** 1. Write arguments focused on content
* 2. Write informative/explanatory texts

**Production & Distribution of Writing*** 4. Produce clear and coherent writing
* 5. Develop and strengthen writing
* 6. Use technology to produce and publish writing

**Research to Build and Present Knowledge*** 7. Conduct short research projects to answer a question
* 8. Gather relevant information from multiple print and digital sources
* 9. Draw evidence from informational texts to support analysis, reflection and research

**Range of Writing*** 10. Write routinely over extended and shorter time frames.

 Standards for Mathematics Practices* 1 Make sense of problems & nse of problpersevere in solving them
* 2 Reason abstractly & quantitatively
* 3 Construct viable arguments & critique reasoning of others
* 4 Model with mathematics
* 5 Use appropriate tools strategically
* 6 Attend to precision
* 7 Look for & make use of structure
* 8 Look for & express regularity in repeated reasoning
 | **Standards for Technological Literacy****Develop an understanding of the:** * 1: characteristics & scope oftechnology
* 2: core concepts of technology
* 3: relationships among technologies and the connections between technology & other fields of study.
* 4: cultural, social, economic, &political effects of technology.
* 5: effects of technology on the environment
* 6: role of society in the development and use of technology.
* 7: influence of technology on history
* 8: attributes of design.
* 9: engineering design.
* 10: role of troubleshooting, research & development, invention & innovation, & experimentation in problem solving

**Develop abilities to:*** 11: apply the design process.
* 12: use & maintain technological products & systems.
* 13: assess the impact of products & systems.

**Develop an understanding of & be able to select & use:** * 14: medical technologies.
* 15: agricultural & related biotechnologies.
* 16: energy & power technologies.
* 17: information & communication technologies.
* 18: transportation technologies.
* 19: manufacturing technologies.
* 20: construction technologies.

**Science Standards** **Standard 1: Skills & Processes** * A1. Design, analyze, or carry out simple investigations and formulate appropriate conclusions based on data obtained or provided
* B1. Review data from a simple experiment, summarize the data, and construct a logical argument about the cause-and-effect relationships in the experiment
* C1. Develop explanations that explicitly link data from investigations conducted, selected readings, and, when appropriate, contributions from historical discoveries
* D. Design and Systems: Explain that complex systems require control mechanisms
* D. Designed Systems: Analyze, design, assemble and troubleshoot complex systems.
* D. Making Models: Analyze the value and the limitations of different types of models in explaining real things and processes.
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