

Library/Media 4th Grade Units of Study

Essential Questions:

Inquire: How do I strategically explore the world for answers to questions?

Include: How does reading help us understand diverse perspectives?

Collaborate: How can I work with others to achieve common goals?

Curate: How do I understand, evaluate, and use diverse forms of media?

Explore: How do I connect information to create new learning?

| Unit | Goals |
|------------------------|---|
| Information Navigation | Upon completing this unit, students will be able to independently navigate the library media center. Students will use appropriate resources to search for and locate library materials. In addition to applying OPAC skills learned in prior grades, students will use book reviews as a source of information. Using book reviews, students will curate a personalized reading list within OPAC to guide future book selection. |
| Digital Citizenship | Through this unit, students learn to balance their use of digital media in their daily lives. Students develop an understanding of how to build a positive digital footprint. They maintain privacy and security while building appropriate relationships and communicating appropriately with others in online communities. Students recognize signs of cyberbullying and use empathy when supporting others who are being bullied. By exploring the concept of intellectual property, students begin to understand their rights and responsibilities as creators. |

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| Academic Research | <p>During this unit, students apply the steps of a research process with increasing independence. Focus skills include choosing topics relevant to a student's interests and selecting credible resources to locate information about a topic, Students also practice recording sufficient, organized notes. Throughout the research process, students access information from a variety of sources and demonstrate academic integrity.</p> |
| Make & Create | <p>In this unit, students develop their understanding of programming as they solve online puzzles and create their own code. Students apply conditional if/then statements within programs that are only executed when predetermined conditions are met. Students build on the foundation established in prior grades by delving deeper into looping. Students create simple loops, as well as more complex programs containing nested and while loops. Functions are introduced as a means of simplifying commonly used programming instructions. Throughout this unit, the focus remains on applying learned skills to create increasingly elaborate programs while simultaneously using code to simplify tasks within programs.</p> <p>Make and Create lessons focus on problem-solving techniques applicable to solving real and meaningful problems. A portion of this unit will cover the integration of Code.org lessons. Wherever possible, lessons emphasize student autonomy and creative freedom. In the unit, students work collaboratively to solve problems. They focus on persevering through multiple attempts at a solution, as they investigate new ideas and work to refine their products.</p> |