

What will my student learn in grade 7?

Alaska's public schools now have higher expectations in English and math. These parent guides help you understand what your child will learn. For more information, see <http://education.alaska.gov>



English Language Arts

In Grade 7 your child will analyze, define, compare, and evaluate ideas when reading, writing, speaking, and listening. Students will use relevant evidence when supporting their own points, making their reasoning clear to others.



YOUR CHILD WILL:

- Cite textual evidence to support his or her analysis and inferences drawn from a text. Distinguish among fact, opinion, and reasoned judgment in a text. Analyze a text's structure and how each part contributes. Analyze the impact of rhymes and other repetitions of sounds on a specific stanza of a poem or section of a story or drama. Explain how an author develops the point of view of the narrator or speaker.
- Compare the experience of reading a literary text with listening to or viewing an audio or video version of it, analyzing the effects of techniques unique to each medium.
- Write opinion pieces and informative texts in historical, scientific, and technical subjects, including an introduction, a structure to group ideas and evidence, and a conclusion. Support claims with clear reasons and relevant evidence. Use a formal style. Write narratives to develop characters or events, using dialogue, description, concrete and sensory details, and a clear chronology. Plan, edit, and revise writing.
- Use technology, including the Internet, to produce and publish writing, collaborate with others, and gather information. Conduct short research projects, gathering information from multiple print and digital sources. Avoid plagiarism.
- Engage in discussions, building on others' ideas and expressing his or her own clearly. Ask and answer questions about information from a speaker. Report on a topic or tell a story, speaking clearly. Create audio recordings and add visual displays.
- Use standard grammar, usage, capitalization, punctuation, and spelling. Choose among simple, compound, complex, and compound-complex sentences to signal differing relationships among ideas. Express ideas precisely and concisely.

Help Your Child Learn at Home

Parent Tips Try to create a quiet place for your child to study, and carve out time every day when your child can concentrate. You should also try to sit down with your child at least once a week for 15 to 30 minutes while he or she works on homework. This will keep you informed about what your child is working on, and it will help you be the first to know if your child needs help with specific topics.



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English Language Arts— Seventh Grade

- Visit a local museum together. Take time to closely observe the details of the objects and talk about what you see there.
- Ask your child who his or her favorite authors are. Why does your child like their books? What ideas does the author write about? Who are his or her favorite characters? Why?

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Math

In Grade 7 your child will extend his or her understanding of ratios and understand proportionality. Students will develop a unified understanding of number, recognizing fractions, decimals, and percents as different representations of rational numbers. They will continue to work with area. Students will begin informal work with random sampling to generate data sets.

YOUR CHILD WILL:

- Analyze proportional relationships and use them to solve real-world and mathematical problems.
- Add, subtract, multiply, and divide rational numbers.
- Use addition, subtraction, multiplication, and division to generate equivalent expressions. Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
- Draw, construct, and describe geometrical figures and describe the relationship between them. Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.
- Use random sampling to draw inferences about a population. Draw informal comparative inferences about two populations. Investigate chance processes and develop probability models.



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Math—Seventh Grade

Look for “word problems” in real life. Some 7th-grade examples might include:

- Figuring the percent of baskets your basketball team makes in field goals and free throws.
- For a long-term project, help your child choose a stock and follow its value on the stock market using the newspaper or the Internet. Have your child calculate the stock's percent increase or decrease each month.