



# Learning Expectations

Eighth Grade  
2020-2021

## High Expectations for Learning

Welcome to the Liberty Elementary School District! Our district's vision is to cultivate curious, creative, problem solvers prepared for tomorrow. With high standards for academic excellence, each of our schools provides quality instruction within a unique signature program. Our rigorous curriculum is designed to both challenge learners and individualize learning.

**What will your child learn in school this year?**

## Parents as Partners in Education

We believe that education is a partnership among students, their families, community members, and schools. As partners in your child's education, the LESD Learning Expectations document can provide you as parents with a quick view of what your child is expected to learn in school this year. Mastering these skills by the end of the school year prepares your child for future success.

*The Liberty Elementary School District curriculum is guided by the Arizona High Academic Standards for Students. Follow this link to the Arizona Department of Education website for additional information about the academic standards: <https://www.azed.gov/standards-practices>.*



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# ELA

## Eighth Grade Curriculum for Parents

*By the end of the year, students will be able to do the following as it relates to each topic...*

### Questions?

Please contact your child's teacher at any time with questions regarding the curriculum, and be sure to attend conferences with your child's teacher in both October and January.

### Reading

- Cite several pieces of textual evidence to support what the text says explicitly as well as inferences drawn from the text.
- Determine two or more themes or central ideas in a text and analyze their development over the course of the text.
- Compare and contrast the structure of two or more texts and analyze how the differing structure of each text contributes to its meaning and style.
- Analyze a case in which two or more texts provide conflicting information on the same topic and identify where the texts disagree on matters of fact or interpretation.

### Writing

- Write arguments to support claims with clear reasons and relevant evidence, supporting claim(s) with logical reasoning and relevant evidence from credible sources.
- Write informative/explanatory texts to examine a topic, convey ideas and concepts, and analyze relevant content.

### Speaking & Listening

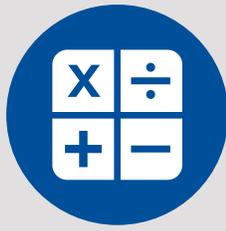
- Engage effectively in a range of collaborative discussions, following rules for collegial discussions and decision making.
- Present claims and findings, emphasizing salient points in a focused, coherent manner with relevant evidence, and valid reasoning.

### Vocabulary

- Use a variety of strategies to determine or clarify the meaning of words and phrases (e.g., Greek or Latin affixes or roots, context clues, and reference materials).
- Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases.

### Language

- Use knowledge of language and its conventions when writing, speaking, reading, or listening.



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# Mathematics Eighth Grade Curriculum for Parents

*By the end of the year, students will be able to do the following as it relates to each topic...*

## Functions (F)

- Define, evaluate, and compare functions
- Model with and translate among representations of functions and describe how aspects of the function are reflected in these representations

## The Number System (NS)

- Identify irrational numbers
- Approximate the value of irrational numbers by rational numbers

## Expressions & Equations (EE)

- Work with radicals and integer exponents
- Understand the connections between proportional relationships, lines, and linear equations
- Analyze and solve linear equations and pairs of simultaneous linear equations

## Geometry (G)

- Understand congruence and similarity using physical models, transparencies, or geometry software
- Understand and apply the Pythagorean Theorem
- Solve real-world and mathematical problems involving volume and cylinders, cones and spheres

## Statistics & Probability (SP)

- Investigate patterns of association in bivariate data