

# Parents' Guide to Student Success



## 6TH GRADE

This guide provides an overview of what your child will learn by the end of 6th grade in mathematics and English language arts/literacy. This guide is based on Ohio's New Learning Standards, including the Common Core State Standards in mathematics and English language arts. If your child is meeting the expectations outlined in these standards, he or she will be well prepared for 7th grade.

### Why Are Academic Standards Important?

Ohio's New Learning Standards provide students with practical experience applying math, reading, and writing skills that employers need. The new standards emphasize the ability to collaborate, communicate, and tackle challenges. They will help your child gain the critical thinking and problem-solving skills they need to succeed in college, in their careers, and in life.

## English Language Arts & Literacy

### A Sample of What Your Child Will Be Working on in 6th Grade

- Gaining knowledge from materials that make extensive use of elaborate diagrams and data to convey information and illustrate concepts
- Evaluating the argument and specific claims in written materials or a speech, and distinguishing claims that are supported by reasons and evidence from claims that are not
- Presenting claims and findings to others orally, sequencing ideas logically, and accentuating main ideas or themes
- Writing brief reports that examine a topic, have a clear focus, and include relevant facts, details, and quotations
- Conducting short research projects to answer a question, drawing on several sources and sharpening the focus based on the research findings
- Reviewing and paraphrasing key ideas and multiple perspectives of a speaker
- Determining the correct meaning of a word based on the context in which it is used (e.g., the rest of the sentence or paragraph; a word's position or function in a sentence)

### Talking to Your Child's Teacher

When you talk to the teacher, do not worry about covering everything. Instead, keep the conversation focused on the most important topics. In 6th grade, these include:

- Reading closely and citing evidence from grade-level fiction and nonfiction to support an analysis of what the materials say
- Developing a rich vocabulary of complex and sophisticated words and using them to speak and write more precisely and coherently



# Mathematics

## A Sample of What Your Child Will Be Working on in 6th Grade

- Understanding ratios and rates, and solving problems involving proportional relationships (e.g., if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours?)
- Dividing fractions and solving related word problems (e.g., how wide is a rectangular strip of land with length  $\frac{3}{4}$  mile and area  $\frac{1}{2}$  square mile?)
- Using positive and negative numbers together to describe quantities; understanding the ordering and absolute values of positive and negative numbers
- Working with variables and expressions by generalizing the way numbers work (e.g., when adding numbers, the order doesn't matter, so  $x + y = y + x$ ; likewise, properties of addition and multiplication can be used to rewrite  $24x + 18y$  as  $6(4x + 3y)$ , or  $y + y + y$  as  $3y$ )
- Writing equations to solve word problems and describe relationships between quantities (e.g., the distance  $D$  traveled by a train in time  $T$  might be expressed by an equation  $D = 85T$ , where  $D$  is in miles and  $T$  is in hours)
- Reasoning about relationships between shapes to determine area, surface area, and volume



### TALKING TO YOUR CHILD'S TEACHER

When you talk to the teacher, do not worry about covering everything. Instead, keep the conversation focused on the most important topics. In 6th grade, these include:

- Analyzing and solving problems using concepts of ratio and rate
- Working with variables and expressions
- Analyzing and solving word problems using equations

## Help Your Child Learn at Home

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. Additionally, here are some activities you can do with your child to support learning at home:

### English Language Arts & Literacy

- Listen with your child to a television reporter, politician, or other speaker. Ask your child to tell you the speaker's main points. Was the speaker trying to convince the audience of something? How?
- Encourage your child to learn at the library or on the Internet what life in your community was like 100 years ago. Have your child write a story, poem, or play about that time.

### Mathematics

Look for "word problems" in real life. Some 6th grade examples might include:

- Determining the average speed of a family trip, based on the distance traveled and the time taken; or estimating the time that a trip will take, given the distance and an estimate of the average speed.
- Finding the surface area of the walls and ceiling in a room to determine the cost of painting the room.



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