



## A Note From the Teachers...

Welcome to Fifth Grade at Dover Intermediate! The fifth grade year is challenging, rigorous and fun! You can set your student up for success in grade 5 by making sure they know the following *essential* math and language arts skills from grades 3 and 4.

More information and practice can be found for each topic by googling the Ohio's Learning Standards for Mathematics or English Language Arts. Standards can be found in parenthesis next to a topic (eg. 3.OA.7).

### Math

#### Grade 2 and 3 Essential Math Skills to Know:

- Know from memory all operations (+, -, x, ÷) of two one-digit numbers (2.OA.2 & 3.OA.7)

**Did you know?** Ohio learning standards say that students should know *all* basic facts by the end of grade 3. We can't stress enough how important it is for your child to have mastered all of the basic math facts.

**Every concept** we teach at the fifth grade level relies on your child having mastery of these facts.

#### Grade 4 Essential Math Skills to Know:

Students use their grade 3 basic fact knowledge to master the following skills in grade 4:

- Add 3-digit and 4-digit numbers with carrying (ex.  $459 + 5,612$ ) (4.NBT.4)
- Subtract 3-digit and 4-digit numbers with renaming (sometimes called regrouping, trading or borrowing) (ex.  $2,183 - 576$ ) (4.NBT.4)
- Multiply up to 3-digit times 2-digit numbers, and 4-digit times 1-digit numbers (ex.  $245 \times 37$  and  $8,702 \times 3$ ) (4.NBT.5)
- Divide 4-digit by 1-digit numbers, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division (ex.  $4538 \div 7$ ) (4.NBT. 6)

**Did you know?** The "traditional" way many parents learned how to complete computation problems is referred to as the "standard algorithm." Most students will be able to solve problems using more than one method, and it's this type of learning behavior that helps your child develop a deeper understanding of the concept.

**Khan Academy:** 5th graders use this online math program to view instructional videos, complete practice problems, and work through a personalized learning dashboard that empowers them to make progress in conjunction with what is being taught in the classroom. Students will be required to complete the 4th grade course before the end of the first quarter of school, moving to the 5th grade course upon its completion. Your student can get a head start on this large assignment by logging into Khan Academy with their Google @mywlake.org username and password and completing any activities in the [4th](#) or [5th](#) grade courses. Working through the [4th grade math](#) or [Get ready for 5th grade](#) courses are a great way to review over the summer and prepare for 5th grade math.

## Language Arts

### Reading: Fiction

- Can select specific examples in the text to support an answer
- Understands **theme** and can compare/contrast themes from different stories
- Understands **plot**; can compare/contrast **characters** and **settings**
- Can use **context clues** to define words
- Can compare/contrast different points of views (**first person** vs. **third person**)

### Reading: Nonfiction

- Can determine **main idea/supporting details** and **summarize**
- Can understand **content specific** words used in nonfiction text (for example, in a text about plants students should understand chlorophyll and photosynthesis)
- Understands the overall structure of the text (**cause/effect, chronological, compare/contrast, problem/solution**)
- Explains how author uses **reasons/evidence**
- Uses two texts to learn and write about one topic

### Writing: *Opinion and Informative Writing*

- Can write a **topic sentence**
- Use **transitions** (for example, in addition...)
- Provides **facts/reasons/evidence**
- **Concluding** sentence

### Writing: *Narrative Writing*

- Can organize events logically (writes in chronological sequence)
- Can use **dialogue**
- Uses concrete and **sensory details**
- Properly concludes events

**Summer Reading:** Each summer, PTA sponsors a summer reading program encouraging students to read over the summer. Students are asked to keep a reading log throughout the summer. Westlake Porter Public Library ([westlakelibrary.org](http://westlakelibrary.org)) is hosting its Summer Library Challenge from June 1 - August 1 via Beanstack for all ages, babies through adults. Your incoming 5th grader should sign up for the Tweens and Teens category and can earn prizes for reading!

Your child should participate in a summer reading program. Some examples are:

Porter Public Library: <https://www.westlakelibrary.org/summer>

Cuyahoga County Public Library: <https://cuyahogalibrary.org/srp>

Infohio Summer Challenge: <https://www.infohio.org/resources/item/infohio-beach-bingo-challenge>

More information about these programs are available on the DIS Library website:

<https://sites.google.com/mywlake.org/dislbmsmediacenters/book-talks-and-summer-reading>

### **Suggestions from your Language Arts Teachers:**

Keep your child reading this summer! Set aside reading time for your child every day. Talk about the books your child is reading. Visit a library at least once a week. Encourage your child to read a variety of fiction and nonfiction books. Join a library summer reading program. Read a book with your child. Participate in the PTA summer reading program.

## Social Studies

### **Social Studies Grade 5 Topics:**

- Western Hemisphere, including early civilizations (Aztecs, Incas, Mayas, Native Americans)
- Geography (continents, oceans, climate zones, U.S. states and capitals, map skills)
- Economics (productive resources, present and future consequences)
- Government (monarchy, democracy, dictatorship)

### **Suggestions from your Social Studies Teachers:**

5th grade Social Studies teachers collaborate with the Language Arts teachers focusing on reading skills for nonfiction texts and writing informative and opinion essays. Please encourage your child to read nonfiction books and magazines over the summer. Your child will also benefit from knowing the continents and oceans as well as becoming familiar with the fifty U.S. states and capitals.

## Science

### **Science Grade 5 Topics:**

- Scientific Processes/Methods
- Physical Science - Light and Sound, Force and Motion
- Life Science - Ecosystems
- Earth and Space - Solar System

### **Suggestions from your Science Teachers:**

One of the biggest changes for incoming 5th grade students with regard to science is in the frequency of the class itself. Many 4th grade students report that Science was not a regular occurrence so it can be a bit of an adjustment for some incoming 5th grade students as Science becomes one of their four daily core subjects. Fifth-grade Science teachers collaborate regularly with the Language Arts teachers as the focus in Science is on recognizing and utilizing text features, and in developing reading skills for both nonfiction and informational texts. Please encourage your child to read nonfiction books and magazines over the summer.

Thank you for your at-home support in preparing your student for a successful 5th grade year!

Sincerely,

The Dover Intermediate 5th Grade Teachers