

## 2nd Grade Resources needed for JCESC Curriculum

### ELA

All units will follow a format that is integrated and include the reading process (literary and informational), writing, spelling and fluency. Each unit is designed to be completed throughout the week (Monday-Friday). It is also important that the students complete the units in order, beginning with Unit 1. These units are written so that they build on each other.

**Working with Words:** There will be opportunities to make words with magnetic letters and learn word families. Word Building Fun is an activity in which magnetic letters are used to form words. During each lesson, about 15 words are made by changing a letter, adding a letter or the sequence of letters. The lesson begins with one or two letter words and continues with three, four and then five letter words. The final word includes all the letters used in the lesson. The purpose of the lesson is to work on letter sound relationship and learn to look for patterns in words. Spelling Words will be introduced during each lesson and a variety of spelling activities will be assigned. At the end of each lesson the students will be tested on the words.

**Reading (Literary and Informational Texts):** Reading begins by introducing a comprehension skill that will be the focus of the lesson. The students will practice this skill and demonstrate understanding of the skill throughout the unit. The Read Aloud portion of the unit is to introduce the student to the story and to model reading fluency by the mentor. During Guided Oral Reading the student will continue reading the story orally and work on reading strategies and respond to literature. A reading response journal will be needed for this purpose or they may respond to questions online.

**Writing:** Since keyboarding ability in second grade may be limited and handwriting practice is important, we will initially require extended responses hand written and pictures emailed to the teacher. We will gradually increase the amount of keyboarding required. Writing instruction will begin with a focus on writing complete sentences. We will progress to paragraphs, short stories and poems. Daily writing is very important to the reading-writing process. Therefore, a spiral notebook has been provided and time should be set aside daily for a journal entry. Topics for writing in the journal should be self selected and drawing a picture to accompany the writing is encouraged.

**Instructions:** All instructions will be given in the content of the lesson. Now, let's begin to work with your student. Every time the mentor is to give directions, the directions to be given to the student are provided in the **“Message to Adult Mentor”** section. You will note that the font is small for Mentor focus and much larger for student focus.

**Storia School Edition eBooks** and **Arbordale Publishing eBooks** will be used throughout this course.

If your district has purchased **Storia School Edition eBooks**, use your schools username and password to access these eBooks. The stories can also be purchased through [www.amazon.com](http://www.amazon.com) or borrowed from your local library. Many books also have links to PDF and YouTube read aloud versions.

## **Math**

### **Course Overview**

In this course, students have the opportunity to investigate and develop skills involving numbers, measurement, geometry, patterns and data analysis. Students will be able to extend their understanding of base-ten-notation, build fluency with addition and subtraction, use standard units of measure, and be able to describe and analyze shapes.

[Required Materials](#)- See Below (Can be substituted for comparable materials at home)

### **Resources for Practice**

Math-Aids.Com is a free resource where you can make an unlimited number of printable math worksheets for the use at home for extra practice. The flexibility and the textbook quality of the math worksheets make Math-Aids.Com a very unique resource for people wanting to create and use Math Worksheets. Click on the link below to see what the site offers. Save the url to your favorites for easy access as you need worksheets for practice throughout this course.

<https://www.math-aids.com/>



## Second Grade Math Required Materials - Virtual Learning Academy

*Note to mentor:* Please keep these materials on hand as the student works through the math course.



=Provided by the virtual Learning Academy

<p><b>1. Base 10 Blocks</b> ★</p> <p>a.) 10 unit cubes b.) 10 rods</p>	<p><b>2. Connecting Cubes (at least two colors)</b> ★</p> <p>a.) Two rods made up of ten cubes each</p>
	
<p><b>4. Dominoes</b> ★</p> <p>a.) 28 double-six set</p> 	<p><b>5. 1 Tangram set</b> ★</p> <p>a.) One shape each in four colors</p> 

Household items to keep handy:

- a.) dice
- b.) ruler
- c.) notebook



## Social Studies

### Course Overview

In this course, students will learn about people working together through their study of history, geography, government and economics. Along with their continuing practice of social studies skills and methods, students use biographies of people whose work has made a difference and artifacts as clues to the past. They begin to understand various cultures and the impact of the

environment on how people live, work and use their resources. Students build a framework necessary for collaboration and leadership that strengthens their abilities to work with others.

\*no additional resources needed

## **Science**

### **Course Overview**

In this course students will relate science concepts and skills to their life experiences. They will compare similarities and differences between people, animals and plants. Living system functions and the interactions they have with their physical environment are explained. Focus is placed upon habits, and the interdependence and survival of plants and animals in Ohio.

Weather changes both short term and long term are observed, described and measured. Students discover how cycles are present in their everyday lives through investigations of Earth and sky, sound and light, and plants and animals. Students recognize the purpose, process and effects of technology, simple equipment and instruments used in learning about science. Students develop an awareness of repeated scientific investigations and understand that under the same conditions the results are similar or the same.

### [Required Materials for Science 120-](#) (See Below)

Throughout this course there will be a number of links for printable documents pertaining to each unit. You will be given directions to click on these links. These documents will be in PDF format and ready for printing. Click on the following link for printing directions.

## **All Units:**

Microphone/headset

### **Unit 01: Computers**

4 sticky notes, nametags (or paper to make them)

A marker or pencil

Activity #3 printable worksheets

### **Unit 02: The Design Process**

The Design Process printable worksheet

Paper

Pens/Markers/Pencils

Design printable

Patent printable

### **Unit 03: Recycle and Save! Predict What Will Happen!**

Song lyrics printable

Poster

Pens/Markers/Pencils

Recycling activity printables

### **Unit 04: People, People, Everywhere!**

Activity #2 Benefits/Risk printables

Activity #3 City or Country printable

### **Unit 05: Twinkle, Twinkle, Little Star**

Activity #1 September Sky Chart printable

Activity #2 Make a Star Finder printable

### **Unit 06: We Are Always Moving**

A cardboard disc, about 20 inches in diameter

A stick about 10-15 inches long

Scissors

A pencil

A watch

A patch of ground where the Sun shines throughout the day