



## **Destination STEM School Curriculum**

(Pre-K and KG)

### **Physical Education**

#### Description:

In this course, physical education encourages students to develop their fine motor skills, movement, and confidence to enjoy healthy physical activity regularly. A combination of interactive and hands-on activities teaches students essential skills. Students learn how to respect themselves and others while playing.

#### Units:

- Physically Active Lifestyle
- Introduction to Common Movements
- Let's Move
- Effects of Exercise
- Responsibility, Respect, and Enjoyment

### **Art**

#### Description:

In this course, the student will explore color, line, and shape. A combination of interactive and hands-on studio projects encourages the student to create art, sharpen fine motor skills, and explore areas of interest in art. Artistic modes include drawing, painting, assembling, and sculpting.

#### Units:

- Art Is Everywhere
- Coloring the Season
- Winter Is Taking Shape
- Art Forms
- Springtime Painting
- Summertime Art

#### Supplies

Crayons, Paintbrush, Watercolor Paints and Construction Paper

## **Language Arts 1**

### Description:

In this course, students build a foundation for successful reading as they explore topics and apply reading, writing, speaking, and listening practices outlined in national and state standards. Learning activities consist of phonics, listening, comprehension, and vocabulary instruction with daily exposure to books, including literature and informational texts. A combination of interactive and hands-on exercises encourages the development of fine motor skills. Students learn language skills as well as letter formation, and they practice these with drawing, dictating, and writing. By the end of kindergarten, many students will be reading, and all students should be able to recognize consonant as well as long and short vowel sounds.

### Units:

- How Do We Live, Work, and Play Together?
- How Are Animals and Plants Unique?
- How Does Change Affect Us?

## **Language Arts 2**

### Description:

In this course, students build a foundation for successful reading as they explore topics and apply reading, writing, speaking, and listening practices outlined in national and state standards. Learning activities consist of phonics, listening, comprehension, and vocabulary instruction with daily exposure to books, including literature and informational texts. A combination of interactive and hands-on exercises encourages the development of fine motor skills. Students learn language skills as well as letter formation, and they practice these with drawing, dictating, and writing. By the end of kindergarten, many students will be reading, and all students should be able to recognize consonant as well as long and short vowel sounds.

### Units:

- How Does Change Affect Us?
- Where Will Our Adventures Take Us?
- How Do People And Things Get From Here to There?

## **Math 1**

### Description:

In this course, mathematical thinking and problem solving are introduced. Students explore topics and apply mathematical practices outlined in the Common Core State Standards and other state standards. They learn how to identify numbers, write numbers zero to 20, and count to 100 by ones and tens. They also describe, sort, and compare objects and learn basic shapes. Stories and activities introduce addition and subtraction. A combination of interactive and hands-on exercises teaches students about money, time, fractions, and measurement.

### Units:

- One to Five
- Comparing and Ordering 0 to 5
- Six to Ten
- Comparing and Ordering Numbers 0 to 10
- Numbers to 20
- Numbers to 100
- Understanding Addition
- Understanding Subtraction

## **Math 2**

### Description:

In this course, mathematical thinking and problem solving are introduced. Students explore topics and apply mathematical practices outlined in the Common Core State Standards and other state standards. They learn how to identify numbers, write numbers zero to 20, and count to 100 by ones and tens. They also describe, sort, and compare objects and learn basic shapes. Stories and activities introduce addition and subtraction. A combination of interactive and hands-on exercises teaches students about money, time, fractions, and measurement.

### Units:

- **One to Five**
- **Comparing and Ordering 0 to 5**
- **Six to Ten**
- **Comparing and Ordering Numbers 0 to 10**
- **Numbers to 20**
- **Numbers to 100**
- **Understanding Addition**
- **Understanding Subtraction**

## **Science 1**

### Description:

In this course, the student will explore the nature of science and how to solve problems, as well as investigate living and nonliving things. The student will learn how to study the surrounding world by observing, collaborating, and sharing with others. Using illustrations and labels, the student will identify the steps used to solve problems and use these steps to plan, design, and test a solution to a problem. Finally, the student will examine, describe, compare, and analyze the characteristics of living and nonliving things in order to complete portfolio assessments.

### Units:

- The Nature of Science
- Solve Problems
- Living and Nonliving Things
- Plants and Animals

## **Science 2**

### Description:

In this course, the student will explore life, Earth, and physical science. The student will learn how to investigate using critical thinking skills. The student will answer questions about the Earth and the sky. In the final chapter, physical science, the student will utilize inquiry methods to explore objects, matter, and mixtures. Throughout this course, the student will enhance skills in language arts, mathematics, and computer literacy. In portfolio assessments, students may choose to chart weather observations over a period of time; observe and collect data on how plants and animals depend on the land, air and water; or observe and compare solids and liquids at room temperature.

### Units:

- More Plants and Animals
- Earth and Sky
- All About Objects
- Matter and Mixtures

## **Social Studies 1**

### Description:

Students learn the concepts of community, nation, and world in this course. They answer essential questions including: "How do people get what they need?"; "How is culture shared?"; and "How does life change throughout history?" A combination of interactive and hands-on exercises teaches students about personal responsibility, good citizenship, and basic geography. While learning about America's past and important historical figures, students research their personal history and heroes.

### Units:

- My Family, My School
- Everybody Works
- Where We Live

## **Social Studies 2**

### Description:

Students learn the concepts of community, nation, and world in this course. They answer essential questions including: "How do people get what they need?"; "How is culture shared?"; and "How does life change throughout history?" A combination of interactive and hands-on exercises teaches students about personal responsibility, good citizenship, and basic geography. While learning about America's past and important historical figures, students research their personal history and heroes.

### Units:

- More Where We Live
- Our Traditions
- Life Then and Now

## **Technology**

### Description:

In this course, students will explore the features of a draw and paint program as a tool to support emerging reading, writing, and mathematics skills. They will locate letters and numbers on the keyboard. A study skills unit will introduce them to listening and visualization skills that will support learning across the school day. Students will recognize safe and responsible use of technology resources so that they can become model digital citizens.

### Units:

- Introduction and Paint
- Keyboarding
- Study Skills
- Internet Safety

- 
-

- 
- **Elective Courses**

- 
- **Spanish**

Description:

Here, students will learn basic Spanish speaking skills.

Units

- Colors
- Numbers
- Family
- Food
- Basic conversation in Spanish

### **Home Life**

Description:

Here, students select from a number of projects that develop skills through fun, experiential learning projects. Activities include cooking, crafts, sewing, home maintenance, family outings, and genealogy. Recently added projects include Lemonade Stand and Backyard Ecosystems.

Units:

- In the Kitchen
- In the Garage
- In the Store
- In the Garden
- In the Family