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School Readiness What Students Should Know and Be Able to Do at the End of the 2nd Grade



Reading/English Language Arts *Based on the Maryland College and Career-Ready Standards*

- Read stories, including fables and folktales from different cultures, and identify the lesson or moral of the story
- Read texts about history, social studies, or science and identify the main idea
- Answer who, what, where, when, why, and how questions about stories and books
- Describe the reasons that an author gives to support a point
- Learn and use new words
- Learn the rules of spoken and written English
- Describe in their own words information learned from articles or books read aloud
- Work with peers to gather facts and information on a topic
- Write about a short series of events and describe actions, thoughts, and feelings
- Write about opinions on books using important details and examples to support a position
- Participate in class discussions by listening and building on what others are saying

Mathematics

- Fluently add and subtract within 20
- Know from memory all sums of one digit numbers
- Understand place value and recognize that a three digit number is made up of hundreds, tens and ones
- Count by fives, tens, and hundreds
- Work with equal groups of objects to gain an understanding of multiplication

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Use addition and subtraction within 100 to solve one step and two step problems

Measure and estimate using standard units of measure (inches, feet, yards, centimeters)

Tell and write time to the nearest 5 minutes using am and pm

Solve word problems using dollar bills, quarters, dimes, nickels and pennies

Science

Next Generation Science Standards (NGSS)

Students should be able to use the 3-Dimensions of the NGSS (Science and Engineering Practices, Disciplinary Core Ideas, and Cross-Cutting Concepts) to unpack and explain relevant grade-level phenomena

Identify where water is found on Earth by using maps

Provide evidence Earth events can occur quickly or slowly

Compare multiple solutions to slow or prevent water from changing the shape of the land

Analyze data to determine different material properties

Construct an argument with supporting evidence about why heating and cooling can be reversed or not reversed

Observe how an object can be made, disassembled (take a part), and made into a new object

Develop a model that mimics (copy) the functions of an animal dispersion (spreading) seeds or pollinating plants

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Social Studies

Analyze how community members play a role in communities, past and present

Explore family history and stories about distinctive individuals, achievements, traditions, and customs

Investigate facts about rights and responsibilities of American citizens

Identify the impact of community values and ideas that are important to a group of people

Develop a drawing/sketch of characteristics of maps and globes to explore the geographic characteristics of their community

Identify how people have different kinds of jobs and work to meet basic economic wants to make choices