| **Reading** | **Second Grade Reading Growth Spurt**  
Second graders read longer, harder books, but also decide how they will read. |
| **Phonics** | **Growing Into Second Grade Phonics**  
In addition to spelling snap words more conventionally, learners focus on being more accurate spellers of all their words. Learners grow their phonics knowledge so they know more of the options for how words could go. They discover the grit and intellectual curiosity they need to try to get closer to the right spelling of words. |
| **Writing** | **Lessons From the Masters**  
**Improving Narrative Craft**  
Learners write meaningful, well-crafted personal narratives under the influence of two mentor texts. Learners focus on increasing volume of writing and studying mentors. |
| **Science** | **Matter All Around Us**  
Learners investigate the properties of different kinds of matter, connecting a material’s properties with the functions for which it is used.  
**A Changing Planet**  
Learners focus on Earth materials and the processes that change them (specifically weather and erosion). Learners apply what they know about Earth materials, properties, and erosion to design an engineering solution that reduces erosion. |
| **Social Studies** | **Civic Responsibility and Personal History**  
Learners discover that history is the “story” of the past and can be interpreted through multiple ways including timelines and artifacts and basic understanding in creating maps of the community and parts of town that include boundaries and legends. |
| **Math** | **Geometry**  
Learners observe and describe defining attributes of 2-D and 3-D shapes (e.g., number and shape of faces, number and length of sides, and number of angles and vertices), and using those attributes as they sort, construct, draw, and compare shapes. Learners revisit the first grade fluency standards for addition and subtraction. They begin using the array structure to represent equal groups. Because it is the first unit, it also introduces the processes, structures, and materials that form the basis of math instruction throughout the year, and establishes the mathematical community.  
**Addition, Subtraction and the Number System 1**  
Learners add and subtract single-digit numbers, focusing particularly on adding numbers in any order; shifting from counting by 1s to counting by groups, particularly groups of tens and ones, which lays the foundation for work with place value and the base-10 number system; and developing and refining strategies for solving a variety of addition and subtraction problems. |