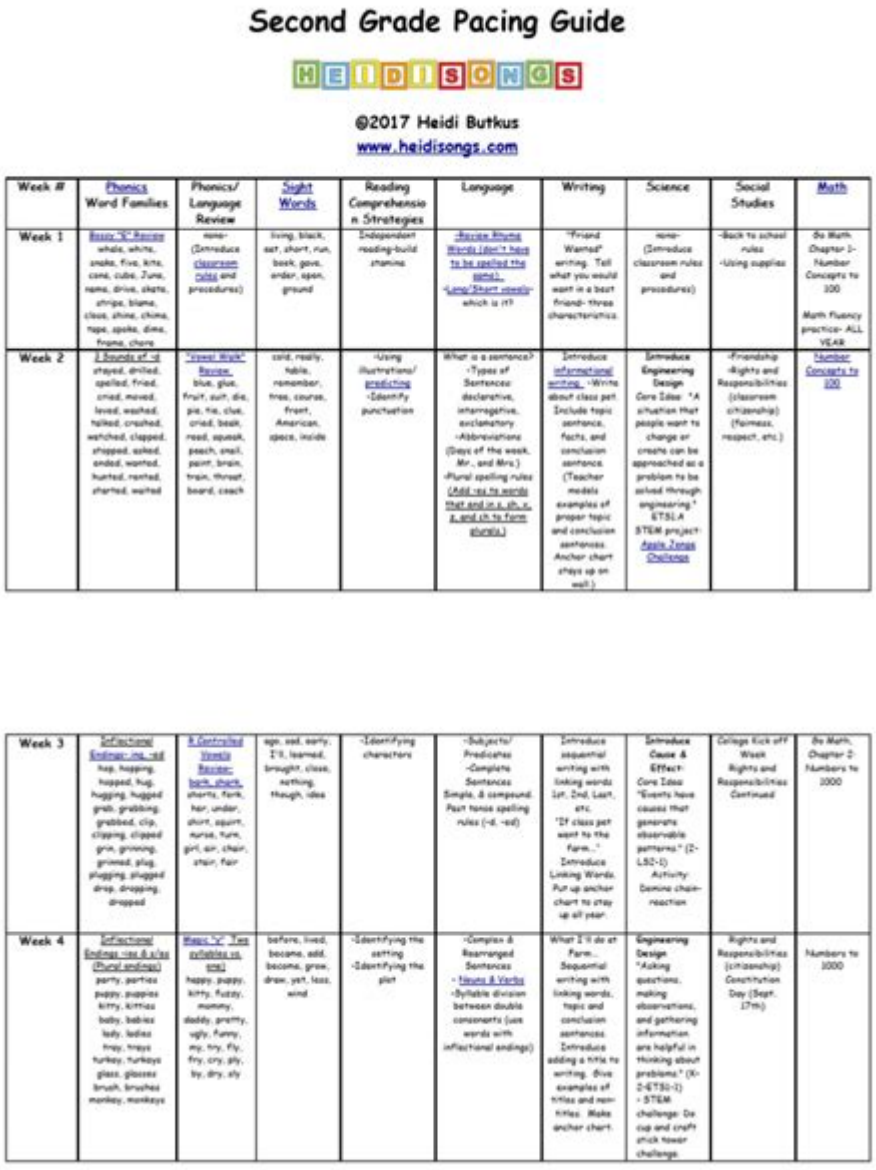
Science Scott Foresman Second Grade Pacing Guide



Second Grade Pacing Guide

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Week #	Phonics Word Families	Phonics/ Language Review	Sight Words	Reading Comprehension Strategies	Language	Writing	Science	Social Studies	Math
Week 1	Beginning "B" Review whale, white, snake, five, kite, cone, cube, June, name, drive, skate, stripe, blame, close, shine, chime, tape, spoke, dime, frame, chore	none- (Introduce classroom rules and procedures)	living, black, eat, short, run, book, gave, order, open, ground	Independent reading-build stamina	-Review Rhyme Words (don't have to be spelled the same) -Long/Short vowels- which is it?	"Friend Wanted" writing. Tell what you would want in a best friend- three characteristics.	none- (Introduce classroom rules and procedures)	-Back to school rules -Using supplies	Go Math Chapter 1- Number Concepts to 100 Math fluency practice- ALL YEAR
Week 2	2 Sounds of -ed stayed, drilled, spelled, fried, cried, moved, loved, washed, talked, crashed, watched, clapped, stopped, asked, ended, wanted, hunted, rented, started, waited	"Vowel Walk" Review blue, glue, fruit, suit, die, pie, tie, clue, cried, beak, read, squeak, peach, snail, paint, brain, train, throat, board, coach	cold, really, table, remember, tree, course, front, American, space, inside	-Using illustrations/ predicting -Identify punctuation	What is a sentence? -Types of Sentences: declarative, interrogative, exclamatory -Abbreviations (Days of the week, Mr., and Mrs.) -Plural spelling rules (Add -es to words that end in x, ch, s, z, and sh to form plurals.)	Introduce informational writing. -Write about class pet. Include topic sentence, facts, and conclusion sentence. (Teacher models examples of proper topic and conclusion sentences. Anchor chart stays up on wall.)	**Introduce Engineering Design** Core Idea: "A situation that people want to change or create can be approached as a problem to be solved through engineering." ETS1.A STEM project- Apple Jenga Challenge	-Friendship -Rights and Responsibilities (classroom citizenship) (Fairness, respect, etc.)	Number Concepts to 100
Week 3	Inflectional Endings: -ing, -ed hop, hopping, hopped, hug, hugging, hugged grab, grabbing, grabbed, clip, clipping, clipped grin, grinning, grinned, plug, plugging, plugged drop, dropping, dropped	R Controlled Vowels Review- bark, shark, shorts, fork, her, under, shirt, squirt, nurse, turn, girl, air, chair, stair, fair	ago, sad, early, I'll, learned, brought, class, nothing, though, idea	-Identifying characters	-Subjects/ Predicates -Complete Sentences Simple, & compound. Past tense spelling rules (-d, -ed)	Introduce sequential writing with linking words 1st, 2nd, Last, etc. "If class pet went to the farm..." Introduce Linking Words. Put up anchor chart to stay up all year.	**Introduce Cause & Effect** Core Idea: "Events have causes that generate observable patterns." (2-LS2-1) Activity: Domino chain-reaction	College Kick off Week Rights and Responsibilities Continued	Go Math Chapter 2: Numbers to 1000
Week 4	Inflectional Endings: -ies & s/es (Plural endings) party, parties, puppy, puppies, kitty, kitties, baby, babies, lady, ladies, tray, trays, turkey, turkeys, glass, glasses, brush, brushes, monkey, monkeys	Magic "e" Two syllables vs. one! happy, puppy, kitty, fuzzy, mommy, daddy, pretty, ugly, funny, my, try, fly, fry, cry, ply, by, dry, sly	before, lived, became, add, become, grow, draw, yet, loss, wind	-Identifying the setting -Identifying the plot	-Compose & Rearranged Sentences - Nouns & Verbs -Syllable division between double consonants (use words with inflectional endings)	What I'll do at Farm... Sequential writing with linking words, topic and conclusion sentences. Introduce adding a title to writing. Give examples of titles and non-titles. Make anchor chart.	**Engineering Design** "Asking questions, making observations, and gathering information are helpful in thinking about problems." (K-2-ETS1-1) - STEM challenge: Dixie cup and craft stick tower challenge.	Rights and Responsibilities (citizenship) Constitution Day (Sept. 17th)	Numbers to 1000

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The Science Scott Foresman Second Grade Pacing Guide is an essential resource for educators who aim to provide a structured and comprehensive science curriculum for young learners. This pacing guide is designed to help teachers effectively plan their lessons throughout the academic year, ensuring that students receive a balanced and thorough exposure to key scientific concepts. In this article, we will explore the structure of the pacing guide, the key topics covered, strategies for implementation, and the importance of aligning science instruction with educational standards.

Overview of the Science Scott Foresman Curriculum

The Science Scott Foresman curriculum for second grade is centered around inquiry-based learning, where students explore scientific concepts through hands-on activities, experiments, and real-world applications. The curriculum is divided into several key units that focus on various aspects of science, including life science, physical science, earth science, and the scientific method.

Key Components of the Curriculum

1. Inquiry-Based Learning: Students are encouraged to ask questions, formulate hypotheses, and conduct experiments to find answers.
2. Integrated Learning: Science is integrated with other subjects such as math and language arts, promoting a holistic educational approach.
3. Hands-On Activities: The curriculum includes numerous experiments and activities that allow students to engage with scientific concepts actively.
4. Assessment Tools: Teachers have access to various assessment tools to evaluate student understanding and progress throughout the year.

Structure of the Pacing Guide

The pacing guide is organized by units of study, with each unit broken down into weekly lessons. This structure helps teachers plan their instruction effectively and ensures that all necessary content is covered by the end of the academic year.

Units Overview

The second-grade science curriculum typically includes the following units:

1. Plants and Animals: Exploring the characteristics of living organisms, habitats, and life cycles.
2. Weather and Seasons: Understanding weather patterns, seasonal changes, and the water cycle.
3. Matter and Energy: Investigating the properties of materials, states of matter, and sources of energy.
4. Earth and Space: Studying the Earth’s structure, natural resources, and the solar system.

Pacing Guidelines

The pacing guide typically outlines the following:

- Duration: Each unit is designed to be taught over a specific number of weeks, allowing teachers to allocate time effectively.
- Weekly Breakdown: Each week includes a focus question, key vocabulary, suggested activities, and assessments.
- Flexibility: Teachers are encouraged to adjust the pacing according to their students' needs and classroom dynamics.

Implementation Strategies

Successfully implementing the Science Scott Foresman Second Grade Pacing Guide requires thoughtful planning and execution. Here are some strategies to consider:

1. Familiarize Yourself with the Guide

Before the school year begins, teachers should thoroughly review the pacing guide. Understanding the scope and sequence will enable them to prepare lessons in advance and align them with student learning objectives.

2. Set Clear Learning Objectives

Each unit and lesson should have clear learning objectives that are communicated to students. This helps to focus instruction and allows students to understand what they are expected to learn.

3. Utilize Hands-On Activities

Incorporating hands-on activities and experiments into lessons is essential for engagement. Teachers should select activities that align with the unit’s focus and allow students to explore concepts practically.

4. Differentiate Instruction

Recognizing that students have diverse learning styles and abilities is crucial. Teachers should modify activities and assessments to accommodate different learners, ensuring that all students can participate and succeed.

5. Assess and Reflect

Regular assessments should be integrated into the curriculum to monitor student understanding. These can include quizzes, projects, and informal assessments. After assessments, teachers should reflect on the data to inform future instruction.

Importance of Standards Alignment

Aligning the Science Scott Foresman curriculum with educational standards is vital for ensuring that students meet the necessary learning benchmarks. Educators should familiarize themselves with state science standards and integrate them into their lesson planning.

Benefits of Standards Alignment

- Consistency: Ensures that all students receive a consistent education regardless of their school or district.
- Measurable Outcomes: Provides clear expectations for student learning, making it easier to measure success.
- Preparation for Future Learning: Helps prepare students for more advanced science topics in later grades.

Conclusion

The Science Scott Foresman Second Grade Pacing Guide serves as a valuable tool for educators striving to provide a well-structured and engaging science education for their students. By following the pacing guide, utilizing hands-on activities, and aligning instruction with educational standards, teachers can foster a love for science in young learners and equip them with the foundational knowledge they need for future academic success. With careful planning and execution, the pacing guide can significantly enhance the educational experience, making science not only informative but also enjoyable for second graders.

Frequently Asked Questions

What is the purpose of the Science Scott Foresman pacing guide for second grade?

The Science Scott Foresman pacing guide for second grade helps teachers plan

and organize their science curriculum throughout the school year, ensuring that all key concepts and standards are covered in a timely manner.

How does the pacing guide align with state science standards?

The pacing guide aligns with state science standards by mapping out essential topics and learning objectives that meet curriculum requirements, enabling educators to focus on the skills and knowledge students need to master.

What are some key topics covered in the second grade Science Scott Foresman curriculum?

Key topics typically covered include life science, earth science, physical science, and the scientific method, with a focus on hands-on experiments and observational activities to enhance student learning.

Can the Science Scott Foresman pacing guide be adapted for diverse classrooms?

Yes, the pacing guide can be adapted for diverse classrooms by incorporating differentiated instruction strategies and accommodating various learning styles and needs to ensure all students can engage with the material.

What resources are available to support teachers using the Science Scott Foresman pacing guide?

Teachers using the Science Scott Foresman pacing guide have access to a variety of resources, including lesson plans, assessments, online materials, and professional development opportunities to enhance their teaching practices.

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