YOU ARE your child's first teacher. Learn how to support the goals of Oklahoma's academic standards and why they are important to your child. Please be in regular communication with your child's teachers and ask how you can support computer science education at home. When schools and families work together as partners, your child experiences greater academic success!

SECOND GRADE

What to expect:

Second grade is when children develop more independence with selecting and using appropriate technology tools. Families play a vital role in encouraging exploration and safe technology use at home. Computer science helps children think logically and creatively. Ask questions like, "How do we choose the right technology for different tasks?" to spark meaningful discussions.

Learning Goals:

- Choose the right device for a task, name basic parts of a computer, and fix simple issues like when a program won't work.
- Learn how devices share information and why strong passwords help keep information and devices safe.
- Organize digital files, collect data to make simple charts, and understand what the data shows.
- Write step-by-step instructions, break big problems into parts, and use correct computer terms when troubleshooting.
- Explore how technology changed daily life, practice good online behavior, and find ways to stay safe online.

What to do at home:

- Talk about which devices work best for tasks—like using a tablet for reading or a computer for writing—and why.
- Identify basic computer parts and devices (like where information is stored or printed) and practice fixing simple tech issues.
- Create family folders for photos or files, and collect daily data to make simple charts or graphs.
- Write and follow step-by-step instructions for everyday tasks—like making a sandwich—and break big tasks into smaller parts.
- Discuss how technology has changed life; set online behavior rules; and practice staying safe on the internet.

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Fostering Curiosity

Children are naturally curious and motivated to learn about things that interest them. Computer science builds on this curiosity by encouraging problem-solving and creativity. Let your child explore how technology works and ask questions about the devices they see in daily life.

Support your child's curiosity with questions like:

- How do you think different computers connect to share information?
- What parts of this problem could we solve first before tackling the whole thing?
- How do you think AI tools like voice assistants or smart devices learn to recognize patterns?

Your child will have plenty of questions. It is okay if you do not always have the answer. The best response is always, "Let's find out together."

Fostering Communication

Build your child's vocabulary, thinking skills, and curiosity by using new words and having conversations that include questions to make your child think. Communicating with others gives children a chance to see and understand that there can be more than one point of view about a given subject. Accepting different ideas helps children learn how to get along with others, encouraging positive relationships with other children and a strong self-image.

Support your child's communication skills with questions like these:

- Why did you choose this device instead of another one for this task?
- Can you explain the steps in your algorithm (step-by-step instructions) that would help someone else follow them?
- How might we improve this program if it's not working correctly?

Fostering Comprehension

Making connections between computer science and the real world helps children see its importance. Encourage your child to relate their learning to everyday experiences.

- Connect computer science with math by collecting family data (like daily screen time or books read) and creating bar graphs or charts to visualize patterns.
- Connect computer science with digital citizenship by creating a family code of conduct for online behavior and discussing the importance of reporting inappropriate content.
- Explore emerging technologies together by discussing how AI and smart devices can help people complete tasks more efficiently or assist those with different abilities.

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