K-5 NC Mathematics Standard Course of Study

Current math standards connect to each other and build on each other across grades. What is unique about our state's standards is this connection, which allows teachers to focus time in a more impactful way. Standards are laid out as important ideas, or building blocks, covering many grades. K-2 standards focus on addition and subtraction with place value understanding, while 3-5 standards build on place value and transition into multiplication, division, and fractions. Information from the link below will help to explain the focus areas for each grade:
http://www.ncpublicschools.org/docs/curriculum/mathematics/scos/0617-adopted-k-8-standards.pdf

Standards for Mathematical Practice

Additionally, embedded in the standards are expectations called **Mathematical Practice Standards**, or ways to think and talk about math. Students learn different ways to approach problems: when they can approach a math problem by asking questions, looking for patterns, and using different tools strategically, they find many paths to the right answer. Given the chance to compare and collaborate with their peers and teacher, they learn to not only solve problems correctly, but to also make sense of what they are learning and apply it in creative, real-world ways. With the practice standards, teachers ask for the correct answer and more, because preparing students for college and future careers requires being able to explain one's thinking, work well with others, and being resourceful when new or unknown problems arise. So, standards that previously felt like a checklist of rules or skills, leading kids to often prove their thinking with the statement, "Because my teacher told me to do it this way," now are replaced with expectations of understanding that have many kids replying, "Let me explain it to you in my own words."

Retrieved and adapted from [PDF]Questions Parents Ask Teachers - Achieve the Corehttps://achievethecore.org/content/upload/Top%208%20Parent%20Questions.pdf ***(November 18, 2017)***

We encourage you to talk with your child's teacher to learn about grade level standards and strategies.

Below are some resources that may help you to help your child with engagement in school.

NCDPI Resources

http://www.ncpublicschools.org/docs/curriculum/mathematics/scos/0617-adopted-k-8-standards.pdf

http://maccss.ncdpi.wikispaces.net/Parent+Resources

Additional Interactive Online Resources

http://nlvm.usu.edu/en/nav/vlibrary.html

http://illuminations.nctm.org/Games-Puzzles.aspx

https://learnzillion.com/login

K-2 Problem Solving -
https://www.mathplayground.com/tb_addition_jr/index.html

3-5 Problem Solving –
https://www.mathplayground.com/thinkingblocks.html

Resources from Achieve the Core

Be a Learning Hero Parent Website

www.bealearninghero.org

Great Kids Milestone Videos

http://milestones.greatkids.org/

Raise the Bar Parents, a new website created by parents, for parents and supported by America Achieves.

http://raisethebarparents.org/

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