

PARENT CONNECTION

The Promise of Gwinnett. We are the future.

ENCOURAGING PROBLEM SOLVING: ASSORTED DO'S AND DON'TS, SUGGESTIONS AND WILD IDEAS FOR PARENTS

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Additions by Mary Tiedeman

1. **Don't think you have to be "good at math" to encourage your children to think or to help them with his math, especially their thinking skill.**
 - 1a. It is good for your child to see his responsible adult as a capable helper.
2. **Don't tell math horror stories or brag about being bad at math.**
 - 2a. Let your child know how important math is to your job and daily life.
3. **Do show that you are willing to learn and try new things.**
 - 3a. Let your child know that you face new tasks and challenges at work also.
4. **Do ask your child to explain the math assignment to you.**
 - 4a. Encourage your child to teach the math lesson to you daily. This will increase his or her understanding and keep you in step with what is being taught.
5. **Don't rule out trial and error as a problem-solving technique.**
 - 5a. Perseverance is a great trait to develop.
6. **Do remember that getting stuck is frequently part of the process and is okay.**
 - 6a. Getting stuck is great because it gives us problems to tackle in class. Encourage your child to ask questions. Ask your child the next night how we solved the problem in class.

Giving Children the Best Mathematical Start

Encourage children to play math puzzles and games.

ALWAYS BE ENCOURAGING.

Never associate math with speed.

Don't share the idea that you were bad at or dislike mathematics.

Encourage number sense.

Encourage a growth mindset.

Read more on the ways to support Mathematical Development at <http://tinyurl.com/zn89wt4>

Making Sense Series

Are you still trying to understand the instructional practices in the math classroom? Check out these videos from Graham Fletcher on the progression of our AKS.

The Progression of Addition & Subtraction

<https://vimeo.com/157768846>

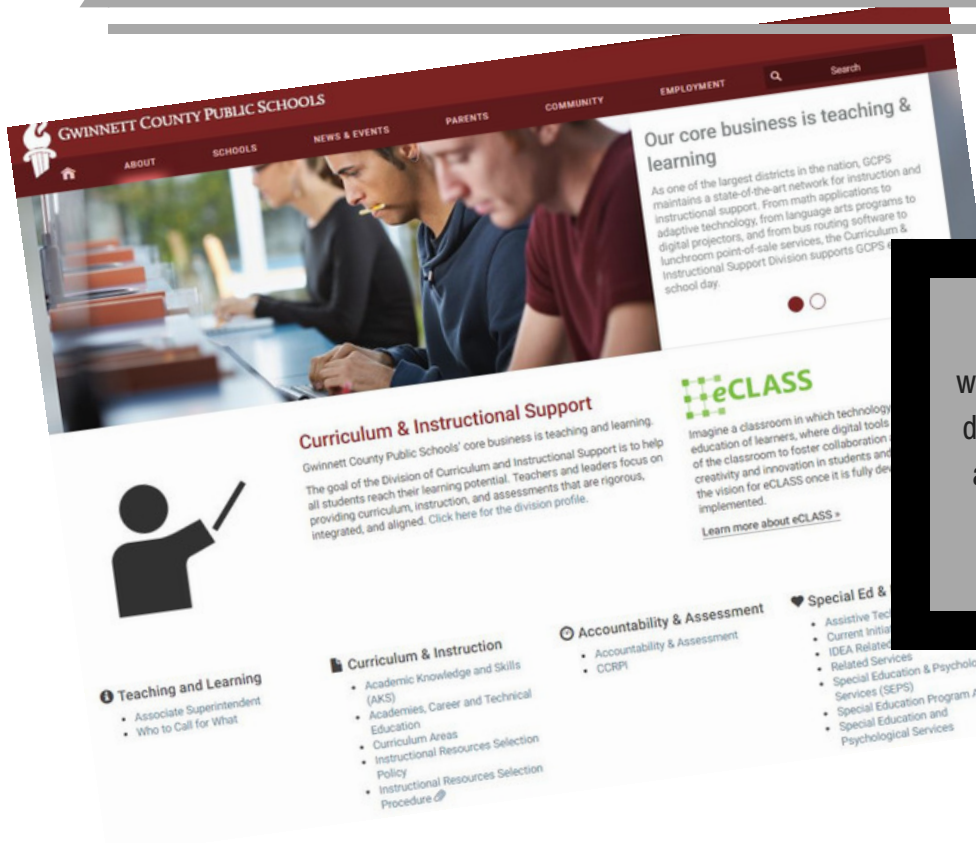
The Progression of Multiplication

<https://vimeo.com/149428217>

The Progression of Division

<https://vimeo.com/153668928>

Digging into the Curriculum and Instruction



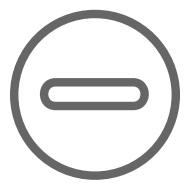
The Gwinnett County Public Schools website provides virtual copies of the AKS documents, instructional resources used, and information on the eClass platform.

www.gwinnett.k12.ga.us

Check out these resources:

Digital Tools to use at Home:

- Math Word Problems: <http://www.mathplayground.com/wordproblems.html>
- Math Puzzles and Problems: <http://mathpickle.com/>
- Algebra in the Real World: <http://www.thirteen.org/get-the-math/>



Khan Academy: <https://www.khanacademy.org/>

Math Levels: 3rd-12th

Key Pieces: Videos to support instructional practices. Free

LearnZillion: <https://learnzillion.com>

Math Levels: K-8th

Key Pieces: Videos and practices to support math concepts. Free

