

## School Calendar

**Nov 5** - Teacher Workday:  
Election Day

**Nov 6** - [Inter-Faith Food Shuttle](#)

**Nov 8** - Report Cards go out

**Nov 11** - Veterans Day  
Holiday

**Nov 15** - Field Trip to [North Carolina State University](#)

**Every Tuesday** - [BackPack Buddies](#) delivery (See Mr C)



CAMS staff recognizes breast cancer awareness month.

## Message from Mrs Zehr, Instructional Facilitator

Hello families. My name is Mrs. Zehr and I am the Instructional Facilitator here at Connections. This is my second year and I am so happy to be here. Not only do I oversee curriculum, I wear several other hats, including technology coordinator, media coordinator, School Improvement Chair, school store organizer among other things.

**Technology Information:** Every student should have a chromebook and a charger issued by Wake County Public Schools. If your child does not have a chromebook to use at home, please email me immediately and we will address it. It is imperative your child has a chromebook to access their work from home in the case of an absence. ([lzehr@wcpss.net](mailto:lzehr@wcpss.net))

**Login Information (Chromebook/WakeID Portal/PBIS):** If your child has issues logging into any of the Wake County applications, IXL, or PBIS, please let me know. I can usually reset them quickly.

**PBIS Rewards:** Please take a moment to ask your child about our PBIS rewards program at Connections. It is our positive behavior support system. Students are rewarded points in each class on a daily basis based on their performance. Points are then used on Fun Friday for the school store. I am always looking for suggestions for items to sell so if your child wants something specific, feel free to reach out.

**School Improvement Team:** We are in need of a parent volunteer for the School improvement Team. If you are interested, please let me know. There is only one meeting a month, at 9:30 AM.

### Writing Tip:

Personal writing is based on your everyday experiences, including journals, letters, and poems. You may want to share it with others.

### Test-Taking Tip:

Review your answers before handing in the test.

### Wellness Moment:

Bullying is when someone hurts or picks on another person on purpose. It can happen at school or online. It's important to be kind to everyone, including classmates.

## Math Teacher Highlight: Mrs Lozhnikova

I enjoy teaching math to 7th and 8th grades, both general and advanced levels. Here is a look at what we are studying in Math 7, Math 7 Plus, Math 8, and NC Math 1.

### Math 7 - Proportional Relationships

Seventh graders learn about proportional relationships, and it turns out it will be very handy in their future lives.

Calculating the amount of paint needed to paint a house, planning your income and expenses, working on a landscaping project and estimating the expenses on edging or fencing - it's everywhere!

### Math 7 Plus - Angles, Triangles, Prisms

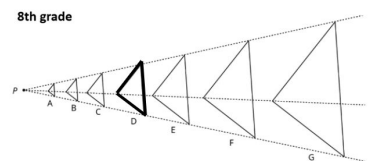
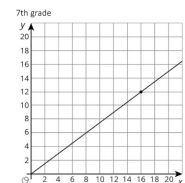
We dislike street intersections built up with acute angles, but we like rooms with obtuse angles, although furniture producers obviously assume that all rooms are rectangular. An understanding of angles and triangles gives students the basis for higher level math.

### Math 8 - Dilations

We don't think much about dilations. In fact, we prefer not to think of them at all. But they are here. Blueprints, maps, optometry, military tasks - people use properties of dilations all the time!

### NC Math 1- Linear and Exponential Functions

Believe it or not, but knowledge about properties of linear and exponential functions makes our lives more comfortable. With that knowledge we can choose a truly better credit option or plan our investments. Ask your Math 1 student for help!



Use words from word bank to fill in the blanks

1. Dilation is a non-rigid geometric transformation that is used for scaling images. To perform a dilation we need to know the center of dilation and the scale factor.

Dilations make shapes larger if the scale factor is greater than 1. Dilations make shapes smaller if the scale factor is less than 1. If dilation with scale factor 1 is performed, a shape stays the same. Dilations don't change angles.

2. Similar or congruent sides of similar triangles are equal. There are two ways of finding missing sides of similar polygons:

1) Finding a scale factor which was used when a dilation was performed.

2) Finding quotients of corresponding sides of polygons and solving a proportion.

**Wordbank**  
scale factor  
non-rigid  
angle  
center of dilation  
less than one  
greater than one  
scale factor 1

**Wordbank**  
quotients  
scale factor  
polygons  
similar  
corresponding

Math diagrams & assignments in Mrs Lozhnikova's 7th & 8th grade classes.