

Mrs. Lafontaine's Math Curriculum Night

Sit at any desk.

Mrs. Lafontaine

- 3rd year teaching in Oregon- 4th and 5th grade
- Originally from Delaware
- Villanova University BA, NYU MA, Willamette University MAT
- Taught in New York City: Brooklyn Botanic Garden, Roots & Shoots, Audubon
- Unique math training: Teacher Development Group
- <http://lafontaine.weebly.com/blog>

Connecting

- Join this class on Remind: text @3d99gd to the number 81010
- Please put your e-mail and phone number on the contact list
- Google Classroom invitations to come
- elizabeth.lafontaine@corvallis.k12.or.us
- 541-757-4570
- I will e-mail this presentation to you!
- I will primarily communicate with you through Remind for whole class notifications.

Classroom Expectations

- Come prepared and ready to learn.
- Listen respectfully during lessons and to others (we will all be teachers and learners this year).
- Have a growth mindset: you will get the things you don't get now and you can always grow in the things do get. Effort = Success!
- Cooperate positively with partners and group members.
- Respect work time as quiet time in which others and you need to concentrate.
- Move calmly and respect personal space (we'll be a tight fit!).
- Know that I believe in you, believe in each other and believe in yourself.

Engage New York

+ Positives

- + Academic vocabulary
- + Rigorous problems
- + Integration of multiple concepts
- + Covers all our standards and review
- + Assessments

➤ Changes

- Math habits of mind and interaction
- Structured talk
- Writing about math
- Concept development
- Strategy games and activities

Math concepts taught in 5th grade

- Decimals with all operations and comparing (to the thousandths)
- Rounding with decimals
- Exponents
- Fractions with uncommon denominators (units), and mixed numbers with all operations
- Multi Digit multiplication and division
- Volume
- Measurement conversion (integrated)
- Numerical expressions which use parentheses, brackets or braces
- Line plots and Coordinate Planes

Math Habits

- Make Sense
- Generalize
- Justify Why

Math Habits

Math Habits of Mind

- Mathematical representations
- Regularity patterns and structures
- Persevere and seek more
- Connections
- Mistakes & stuck points
- Metacognition and Reflection

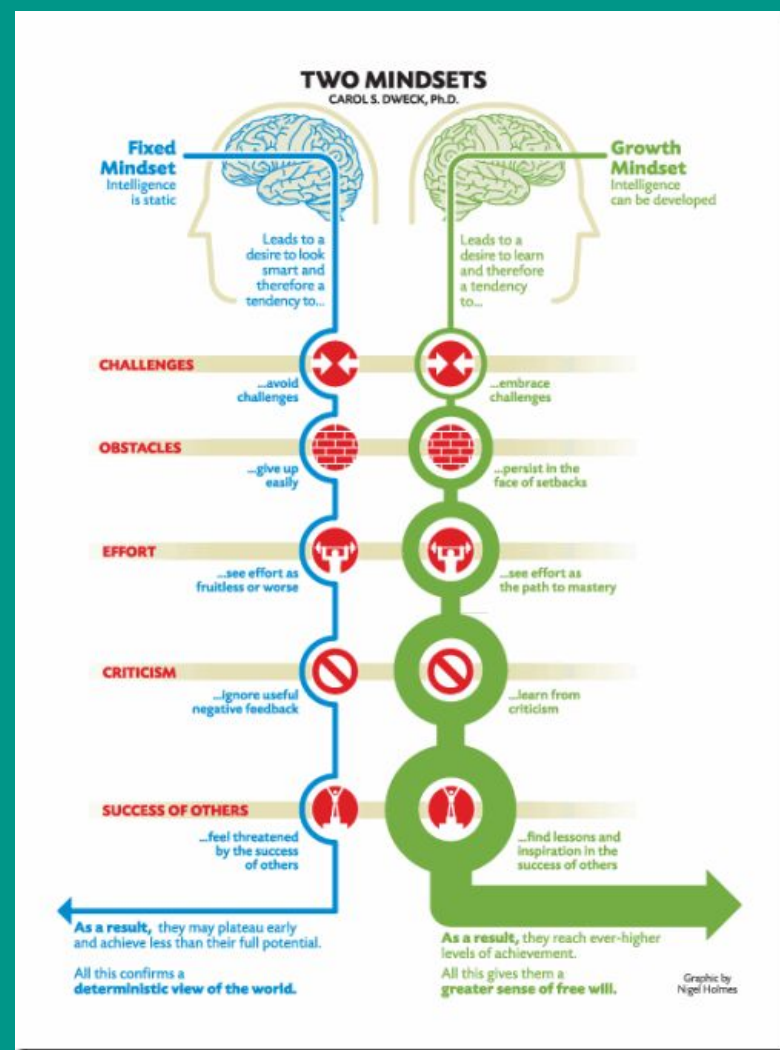
Math Habits of Interaction

- Private reasoning time
- Explain my reasoning
- Listen to understand
- Multiple pathways
- Compare our logic and ideas
- Genuine questions
- Critique and debate
- Math reasoning as authority

Growth Mindset

Growth Mindset

- More information on Carol Dweck and growth mindset
<http://mindsetonline.com/abouttheauth> or/
- Information on Dr. Daniel Siegel's research <http://www.drdansiegel.com/>
- <https://ideas.classdojo.com/i/growth-mindset-1>



Homework

- Students will write any homework in their agenda notebooks
- Homework will most likely be in their workbook
- Students will have at least two days to complete a homework assignment

Resources

- Learnzillion
- Kahn Academy
- Fact help: Quick Math or other online flashcards
- Engage New Yorks Website: <https://www.engageny.org/>

One small need...

Sheet protectors