



*Tips and Tricks*  
for Rising 4th Graders



*Outcomes for  
this session*

Understand the basic structure for departmentalized 4th grade at Ross

Understand ways to support the following...

- Social/Emotional Trends for 9 and 10 year-olds
- Reading Behaviors for Rising 4th Graders
- Mathematics for Rising 4th Graders



# Schedule

- Departmentalization
- Sample schedule
- Shifts in expectations/rigor
- Social Emotional Trends of 9/10 year-olds
- Humanities Overview
- STEM Overview
- Skills to prioritize this summer
- Q & A

# Departmentalization

- Humanities (2 hours)
  - Reading (Close reading & Guided Reading)
  - Writing
  - Social Studies
- STEM (2 hours)
  - Science
  - Math
- Switch classrooms
- Move as a class
- Teachers/educational aides manage transitions

# Sample schedule

4th Grade									
	Monday	Tuesday	Wednesday	Thursday	Friday				
8:45 - 9:00	Morning Meeting	Morning Meeting	Morning Meeting	Morning Meeting	Morning Meeting				
9:00 - 9:15	PE	Spanish	Close Reading	PE (4/5 Grade Level Meeting)	Spanish (Humanities Planning w/ Lisa)				
9:15 - 9:30			Writing						
9:30 - 9:45		Social Studies	Choice Time	Social Studies	Social Studies				
9:45 - 10:00			Close Reading						
10:00 - 10:15	Guided Reading/ Independent -11:10	Humanities	STEM	Close Reading	Close Reading				
10:15 - 10:30			Math	Guided Reading/ Independent -11:10	Guided Reading/ Independent -11:10				
10:30 - 10:45			Recess	Choice Time-11:25	Choice Time-11:25	Choice Time-11:25			
10:45 - 11:00		Library							
11:00 - 11:15	Choice Time-11:25	Library	Lunch	Writing 11:25-12	Writing 11:25-12				
11:15 - 11:30	Writing 11:25-12								
11:30 - 11:45	Recess	Recess	Filmore	Recess	Recess				
11:45 - 12:00						Lunch	Lunch		
12:00 - 12:15	Lunch	Lunch		Lunch	Lunch	Lunch			
12:15 - 12:30							STEM	STEM	
12:30 - 12:45	Math	Math		Math	Math	Math			
12:45 - 1:00							STEM	STEM	
1:00 - 1:15			Math				Math	Math	Math
1:15 - 1:30									
1:30 - 1:45	Closing Circle	Closing Circle	Closing Circle	Closing Circle	Closing Circle				
1:45 - 2:00						Math	Math		
2:00 - 2:15						Math	Math	Math	Math
2:15 - 2:30									
2:30 - 2:45	Closing Circle	Closing Circle	Closing Circle	Closing Circle	Closing Circle				
2:45 - 3:00						Math	Math		
3:00 - 3:15	Closing Circle	Closing Circle	Closing Circle	Closing Circle	Closing Circle				



*Increased  
responsibility  
and  
independence*

- Longer independent work times
  - Humanities: weekly schedule, to-do lists
  - STEM: scientific procedures
- Keeping track of materials
  - Agendas to record homework, announcements, important dates
  - Turning in homework
- Advocating for themselves
  - Asking for help or clarification
  - Taking ownership of learning

# Social Emotional needs of 9 & 10 year old's

Age	Physical	Language/Cognitive	Social/Emotional
9	<p>Improved coordination</p> <p>Like to push physical limits; tire easily</p> <p>Restless; can't sit still for long</p> <p>Often report aches and pains</p>	<p>Work hard and pay attention but may jump quickly between interests</p> <p>Want factual explanations; enjoy scientific exploration</p> <p>Difficulty with abstractions such as large numbers</p> <p>Very verbal; love language and word play</p> <p>Industrious and curious</p> <p>Worry about global issues</p>	<p>Competitive; may form cliques</p> <p>Critical of self and others; need encouragement</p> <p>Like to work with a partner of their choice; can work in groups but with lots of arguing</p> <p>Seek answers to big questions</p> <p>Anxious</p>
10	<p>Signs of puberty begin for girls ahead of boys</p> <p>Muscles needed for big movements are developing quickly</p> <p>Need lots of outdoor play and physical challenges</p> <p>Enjoy precision tasks</p> <p>Benefit from snack and rest periods</p>	<p>Peer focused</p> <p>Descriptive</p> <p>Seek definitions</p> <p>Playful</p> <p>Gain identity through the group</p> <p>Enjoy categorizing and classifying</p> <p>Good at memorizing</p> <p>Like rules and logic</p> <p>Can concentrate on reading and thinking for long periods</p> <p>Enjoy choral reading, poetry, plays, singing</p>	<p>Contributing member of group; eager to reach out to others</p> <p>Quick to anger; quick to forgive</p> <p>Hardworking; take pride in schoolwork</p> <p>Open to learning mediation or problem-solving skills</p> <p>Listen well and enjoy talking and explaining</p> <p>Developing more mature sense of right and wrong</p>

# *Humanities Overview*

## **Unit Topics**

1. Early America
2. My Story
3. American Revolution and Independence
4. Constitution and Founding Fathers
5. Heroic Adventures and Greek Mythology



# Reading Expectations

By the end of third grade, we hope children read texts at or around "Level P" or Lexile Levels 600-800.

700L ▶ 795L

700L *The Miraculous Journey of Edward Tulane* DICAMILLO

Edward, for lack of anything better to do, began to think. He thought about the stars. He remembered what they looked like from his bedroom window. What made them shine so brightly, he wondered, and were they still shining somewhere even though he could not see them? Never in my life, he thought, have I been farther away from the stars than I am now. He considered, too, the fate of the beautiful princess who had become a warthog. Why had she become a warthog? Because the ugly witch turned her into one-that was why. And then the rabbit thought about Pellegrina. He felt, in some way that he could not explain to himself, that she was responsible for what had happened to him. It was almost as if it was she, and not the boys, who had thrown Edward overboard.

# Reading Behaviors to Observe

## Word-solving and Fluency

- Actively acquires new vocabulary through reading
- In oral reading, figures out new words rapidly while reading smoothly, with fluency, phrasing and expression
- While reading silently, reads rapidly and with attention to meaning

# Reading Behaviors to Observe

## **Reading stamina and volume**

- Demonstrates interest in reading an extended text over a longer time period
- Sustains attention to a text read over several days, remembering details and revising interpretations as new events are encountered

# Reading Behaviors to Observe

## Thinking *about* and *beyond* the text!

- After reading silently, demonstrates understanding and sophistication in interpreting meaning
- Compares the text with other books in an analytic way
- Goes beyond the text to speculate on alternative meanings
- Shows the ability to summarize and extend the text in writing

# STEM Overview

## Math

- Place value, rounding, and using the standard algorithm for addition and subtraction within 1,000,000
- Unit conversions/problem-solving with metric measurements
- Multi-digit multiplication and division
- Fraction equivalence, ordering, and operations
- Decimal fractions
- Exploring multiplication
- Angle measure and plane figures

## Science

- Organism Structure and Behavior
- Changes Over Time to Earth's Surface and Resources
- Using Energy Transformations
- Communicating Using Wave Energy

# Progression of skills

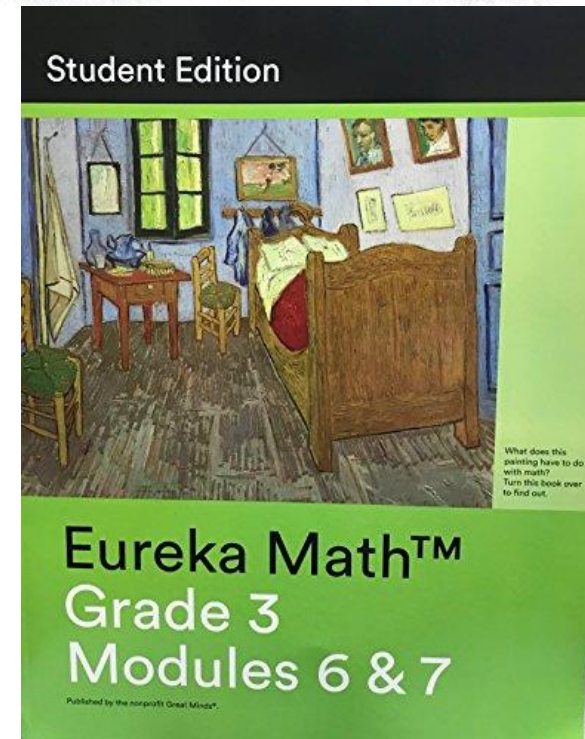
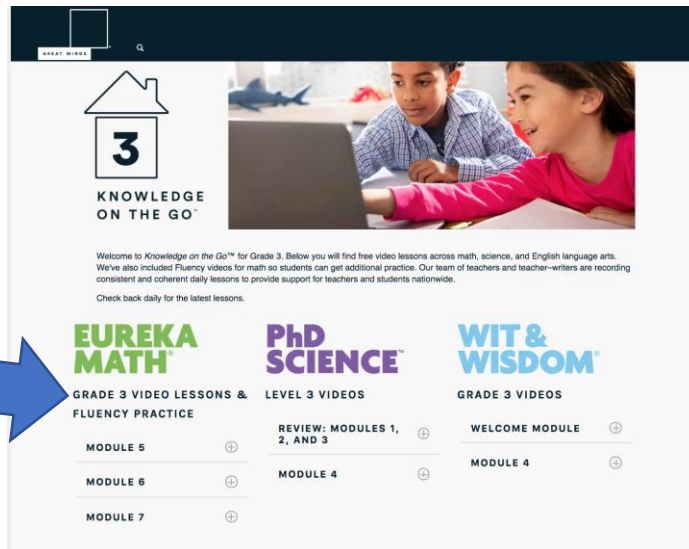
	3rd Grade	4th Grade
Counting		
Operations	Interpret products and quotients of whole numbers (3.OA.1-2)	Multiply and divide a whole number of up to four digits by a one-digit whole number  Multiply two two-digit numbers (4.NBT.5-6)
Word Problems	Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities (3.OA.3)	Multiply or divide to solve word problems involving multiplicative comparison (4.OA.2)
Fact Fluency	Fluently multiply and divide within 100 (3.OA.7)	

	3rd Grade	4th Grade
Time	Tell and write time to the nearest minute and measure time intervals in minutes (3.MD.1)	
Money		Use the four operations to solve word problems involving...money, including problems involving simple fractions or decimals... (4.MD.2)
Geometry & Fractions	Understand a fraction $1/b$ as the quantity formed by 1 part when a whole is partitioned into $b$ equal parts; understand a fraction $a/b$ as the quantity formed by $a$ parts of size $1/b$ . (3.NF.1)	Understand addition and subtraction of fractions as joining and separating parts referring to the same whole. (4.NF.3a)

# Reinforce 3rd grade skills

## Eureka Math

- Your child can work to complete any lessons that were skipped in their workbooks (Modules 6 & 7)
- Lessons videos are posted on [greatminds.org](https://www.greatminds.org)



# Reinforce 3rd grade skills

## Khan Academy

- Your child can complete the course challenge which will individualize lessons based on their needs

< Math **3rd grade**

550 / 14,200 (4%)  
Mastery points • Level 1

Course summary

Intro to multiplication

1-digit multiplication

Addition, subtraction, and estimation

Intro to division

Course challenge  
Test your knowledge of the skills in this course.

Mass  
Volume

Represent and interpret data 0/900 Mastery points

Picture graphs  
Bar graphs  
Line plots with fractions

Course challenge  
Test your knowledge of the skills in this course. Have a test coming up? The Course challenge can help you understand what you need to review.

Start Course challenge



# Skills to work on over the summer

## Humanities

- Typing
- Reading chapter books and keeping track of characters and problems throughout the story
- Discuss text after reading
  - [Question stems resource](#)
- Reading and writing stamina
  - working up to 30 minutes

## STEM

- Fluency with multiplication and division
  - All facts with single digit factors
  - Multiplying by ten or a multiple of ten
    - $3 \times 10 = 30$
    - If I know  $2 \times 5 = 10$ , then I also know  $20 \times 5 = 100$
- [Game Resource](#)



*Questions?*

- Don't forget about the FAQ that was sent earlier!