

FINDING THE BALANCE IN  
MIDDLE SCHOOL MATH:  
SKILLS AND ENGAGING  
PROBLEMS



# INTRODUCTIONS

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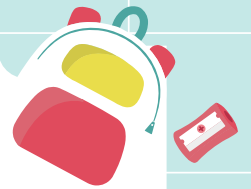


## WARM-UP: PAIR SHARE

What will be your BEST possible



**LEGACY** as a math teacher?



# WHAT DO WE WANT FOR OUR STUDENTS?



Confidence



Facts and Skills



Engagement  
& Teamwork



Communication



Analysis

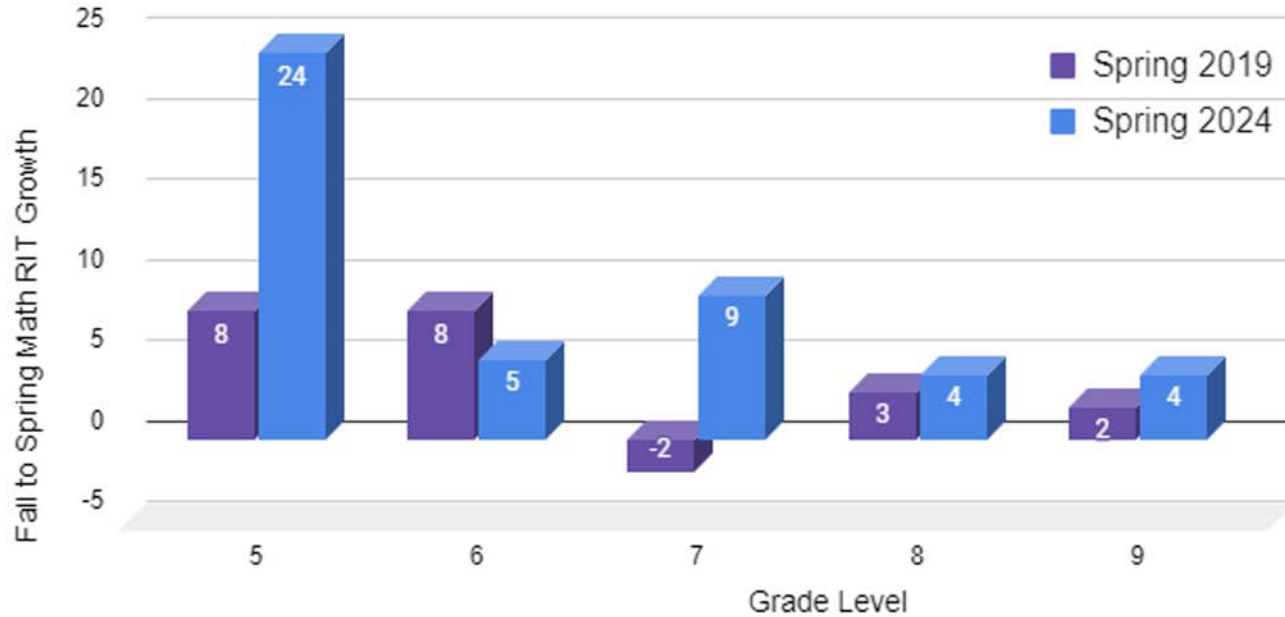


Having Fun

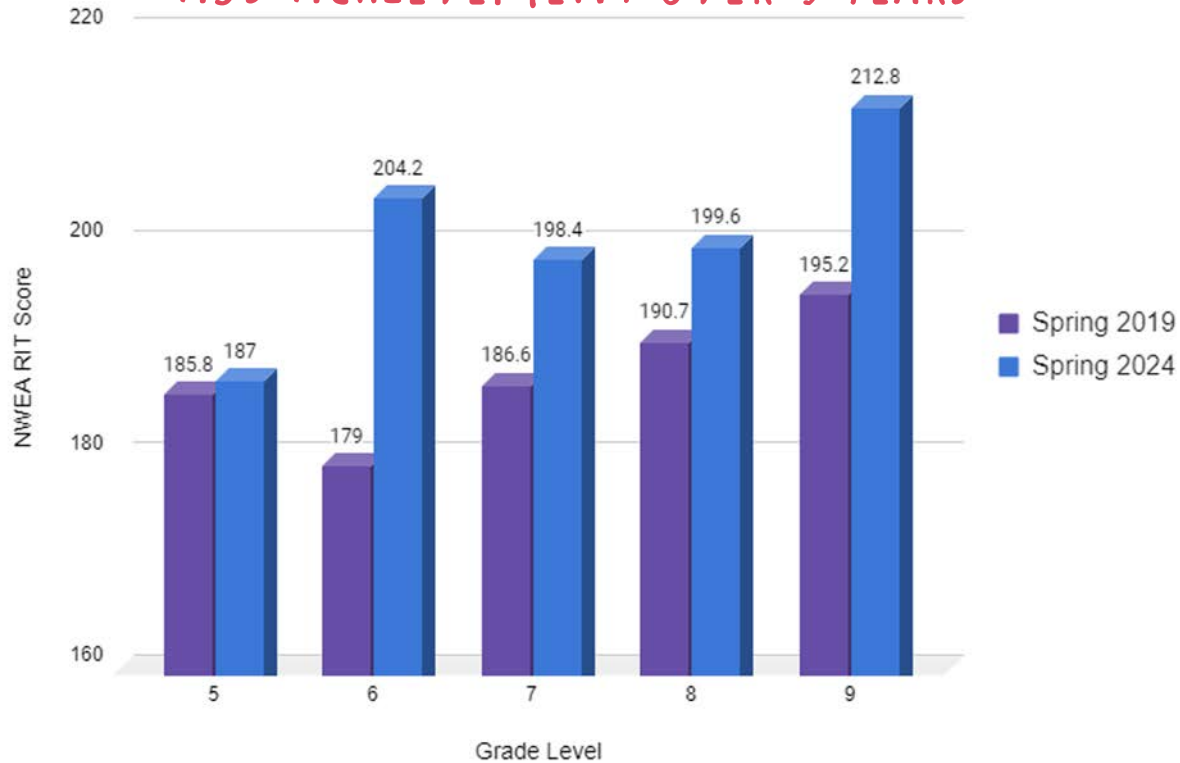


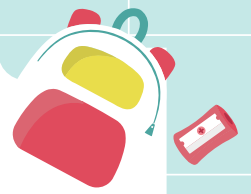


# GROWTH AVERAGES OVER 5 YEARS



# ASD ACHIEVEMENT OVER 5 YEARS





# EVEN BETTER...

OUR STUDENTS ARE EXHIBITING

- GREATER CONFIDENCE IN SOLVING NEW PROBLEMS
- PERSEVERANCE IN COMPLETING AND COMMUNICATING MULTI-STEP PROBLEMS
- REAL PRIDE IN THEIR MATH SKILLS AND THE DRIVE TO GET EVEN BETTER

● OUR MATH COMPETITION TEAM IS COMING UP IN THE RANKS QUICKLY!



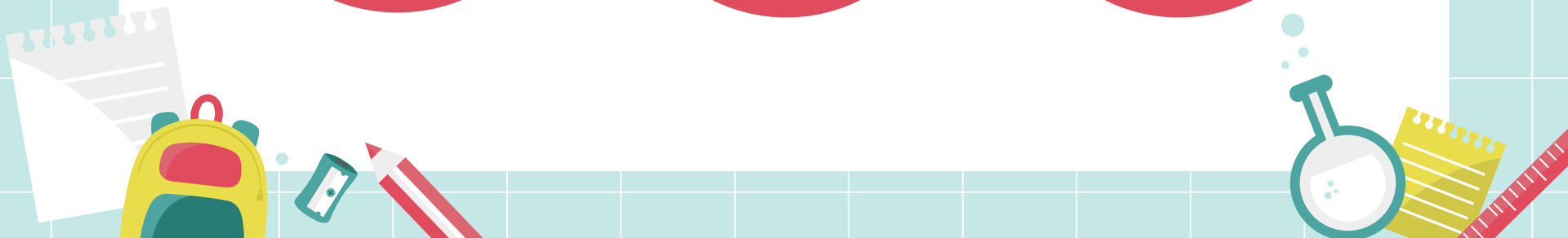


# HOW WE DID IT

<   
 IM  
 ROADMAP

HIGH-  
 INTEREST  
 WORK

FACTS AND RE-  
 IMAGINING  
 K-5 >





# RENEWED EXPECTATIONS K-5

## BRIDGES MATH 2X DAILY

- MATH CORNER
- DAILY LESSONS

ROCKET MATH

MS STUDENTS READY TO  
THINK, CALCULATE AND  
COMMUNICATE WITH  
NUMBERS



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INTEGRATING  
ILLUSTRATIVE MATH  
FOR ALL LEARNERS

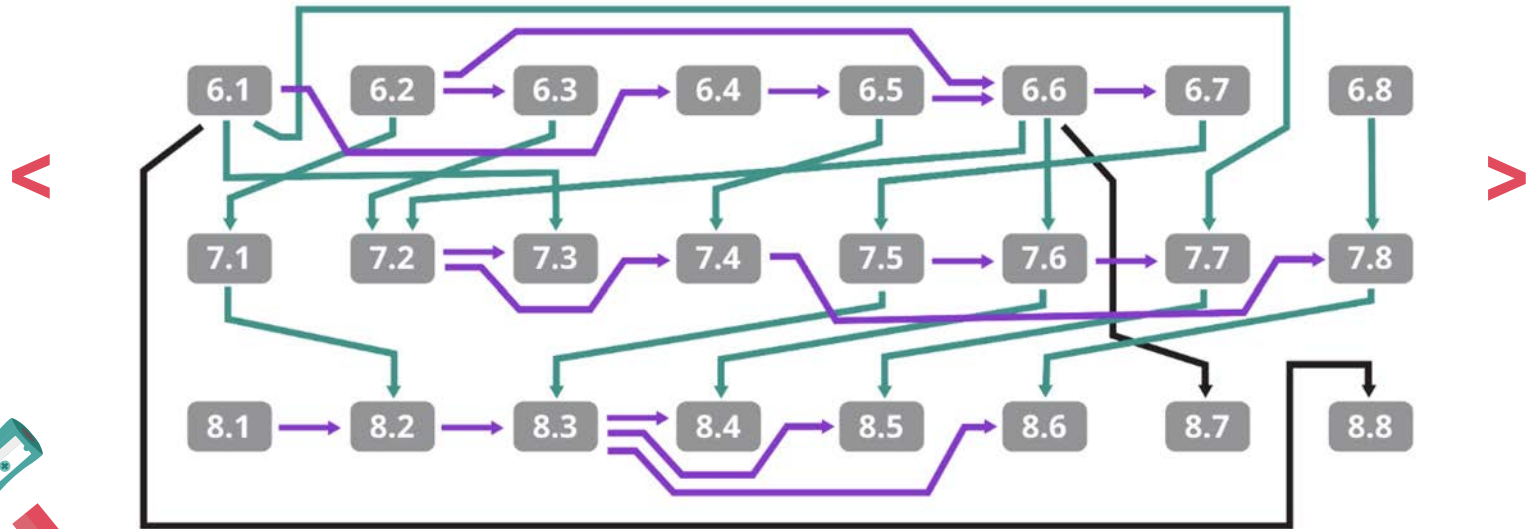
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IM IS A GREAT ROADMAP!



# YOU KNOW YOUR STUDENTS

Use the DEPENDENCY DIAGRAM to identify points of entry

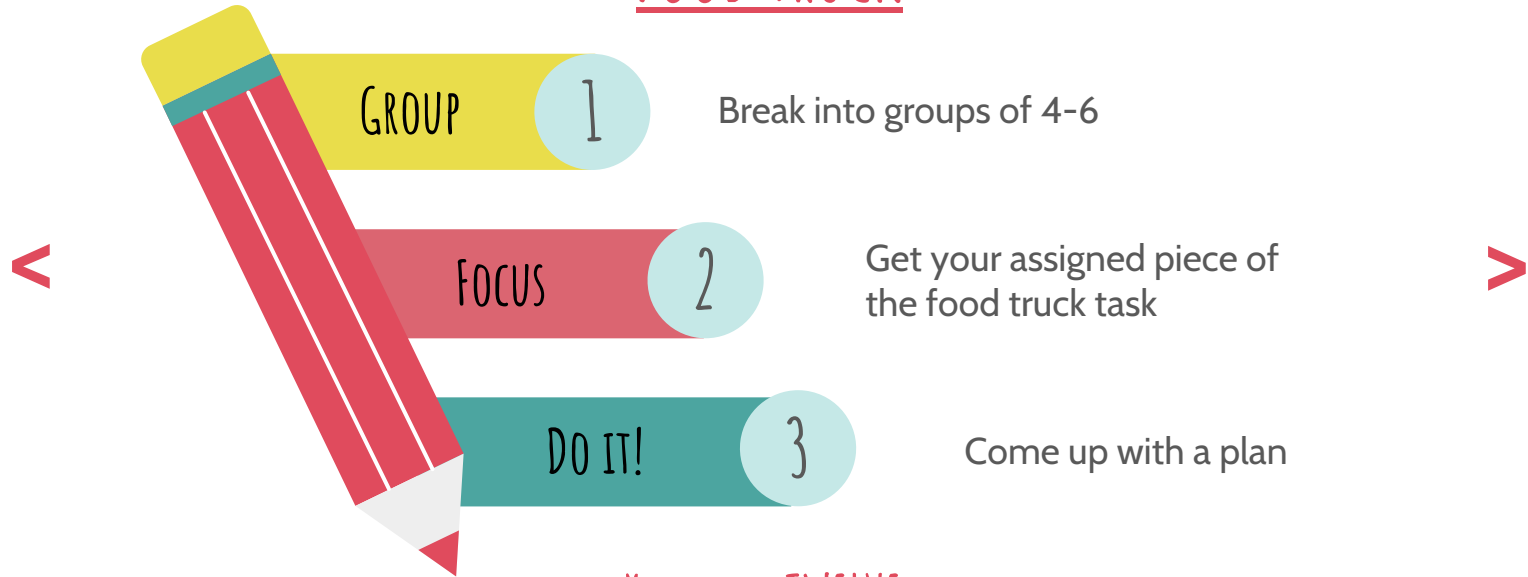


# THROW IN SOME LONGER TERM PROJECTS

- < A Dream RV Trip
- The Paper Airplane Challenge
- Your T-shirt Business
- Ice-Cream Sales
- Open Your Own Food truck



# LETS PLAY! WORK AS A GROUP ON A BUSINESS PLAN FOR YOUR FOOD TRUCK



YOU HAVE TWELVE MINUTES, THEN WE WILL DEBRIEF



# FOOD TRUCK BUSINESS

Step 1: Business Model

Step 2: Menus and Recipes for 100 servings

Step 3: Cost and Pricing for given recipe

Step 4: Equipment and Truck Design and Capacity



12:00





# FOOD TRUCK- WHAT SKILLS DID YOU APPLY?



MATH

COMMUNICATION

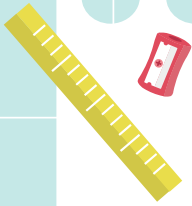
APPLICATION




# QUESTIONS AND IDEAS




THERE IS LOTS OF EXPERTISE IN THE ROOM -  
LETS TALK!





WHAT WAS USEFUL TO YOU  
IN THIS SESSION?



WHAT ARE YOU BRINGING BACK TO YOUR STUDENTS AND COLLEAGUES?

