

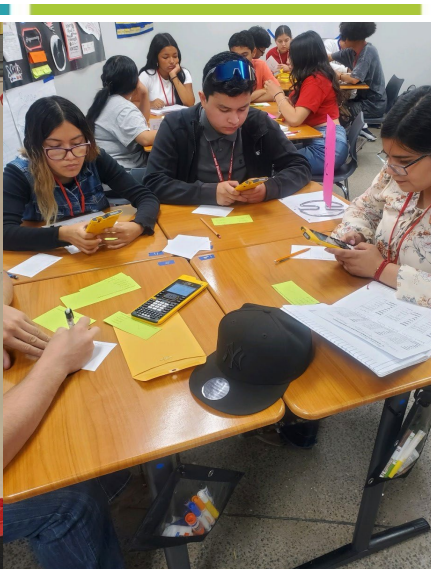
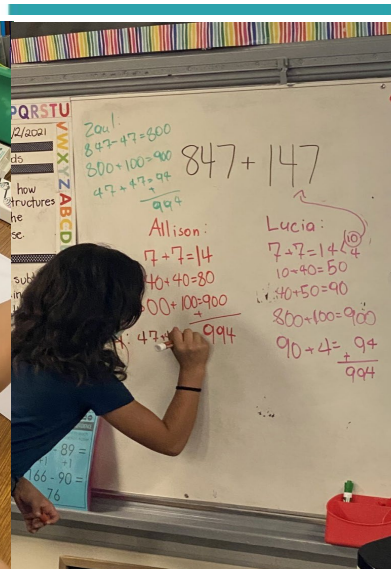
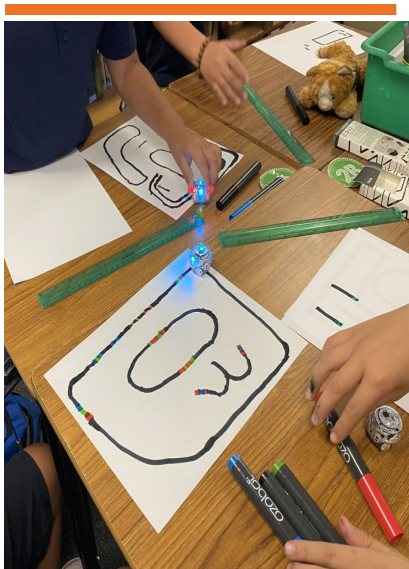
S **T** **E** **M**

Science

Technology

Engineering

Math



Meet the Team

1

Lisa Wills, Executive Director of
Curriculum and Instruction

2

Ashley Sellers, Elementary Math
Coordinator

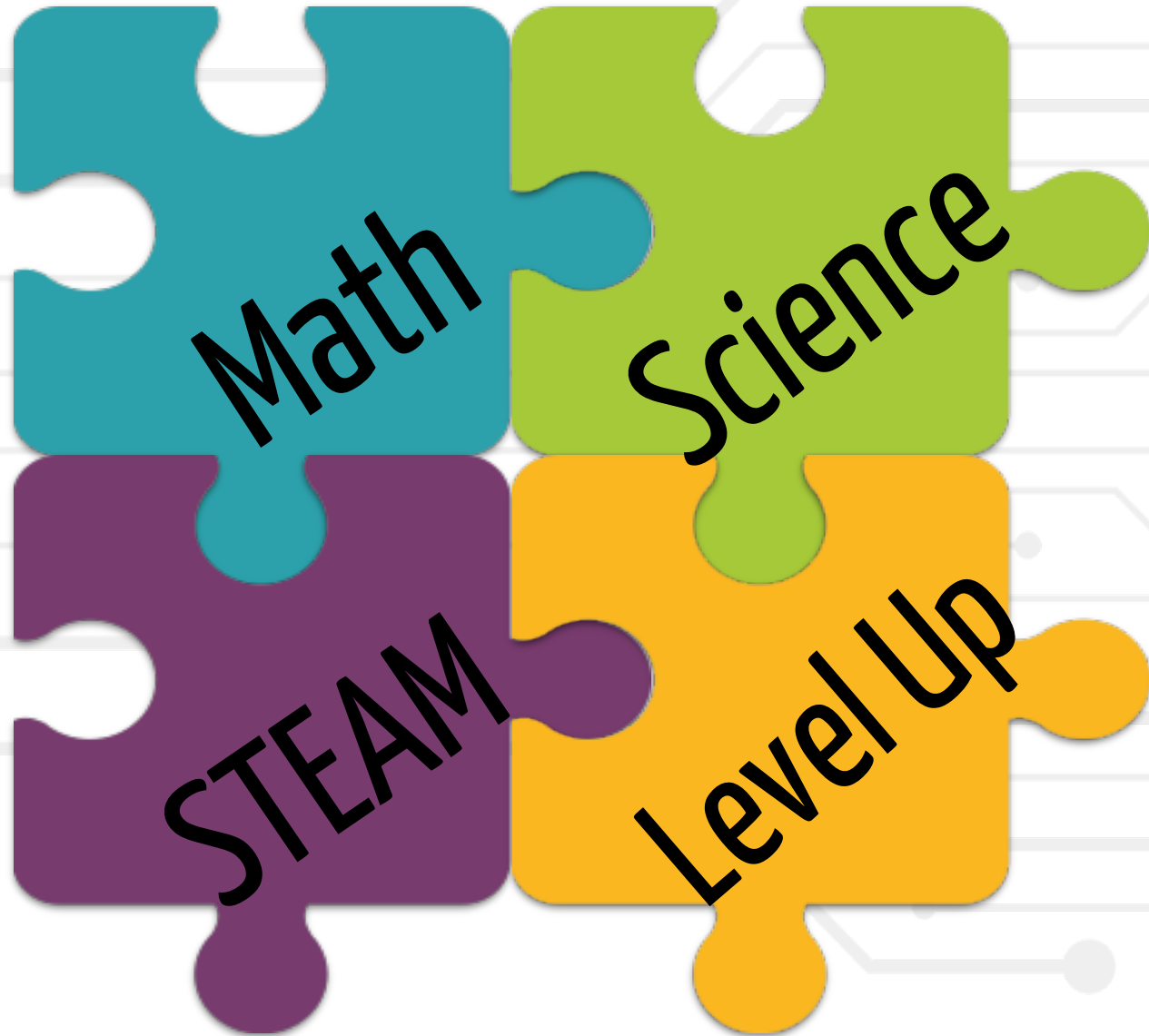
3

Missisa Cooper, Secondary Math
Coordinator

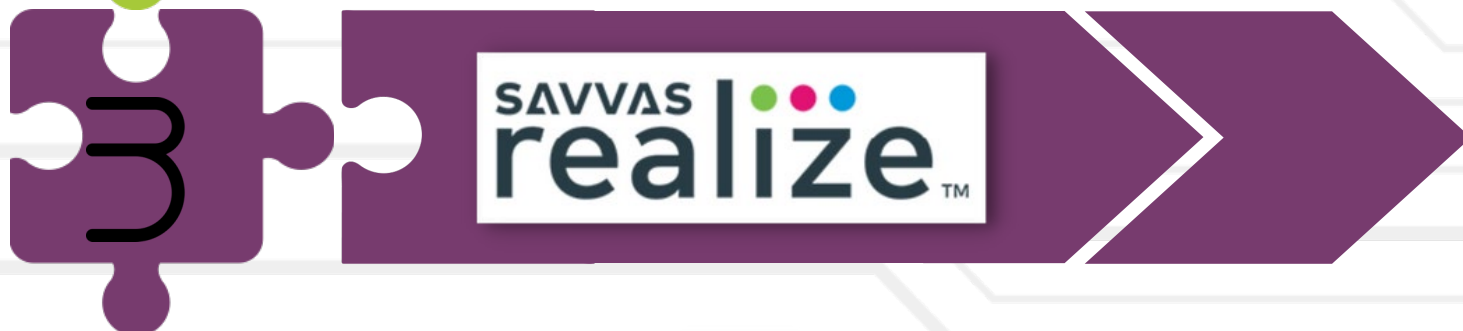
4

Caitlin Couch, District Science
Coordinator

Piecing the Puzzle To



Elementary Math



Do Now -10 minutes

10
min

- ❖ Lonestar Learning Math

Number Talks-10 minutes

10
min

- ❖ Number Talks

Whole group instruction- 35 minutes

35
min

- ❖ See It (10 min)
- ❖ Name It (15 min)
- ❖ Do It/Aggressive Monitoring (10 min)

Small group instruction- 45 minutes

45
min

- ❖ Do the Math- teacher led small group instruction
- ❖ Student Workstations- Imagine Math, Imagine Math Facts, district approved station activities

Secondary Math

1

District Framework



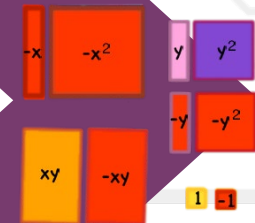
2

Number Talks



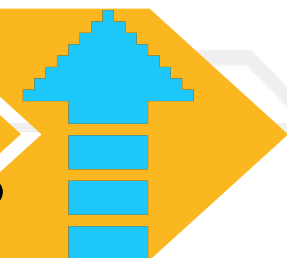
3

Manipulatives

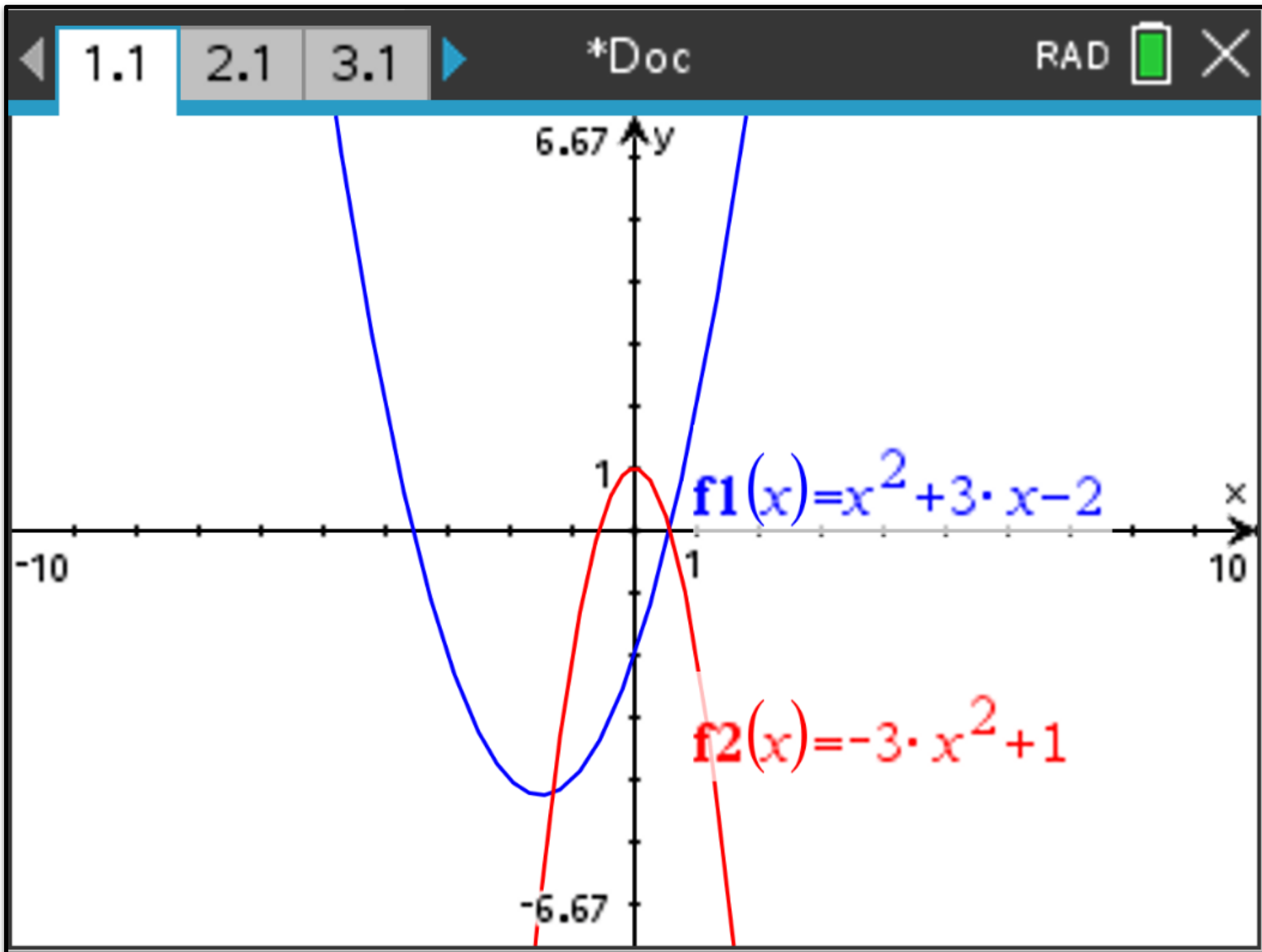


4

Level Up ALL students



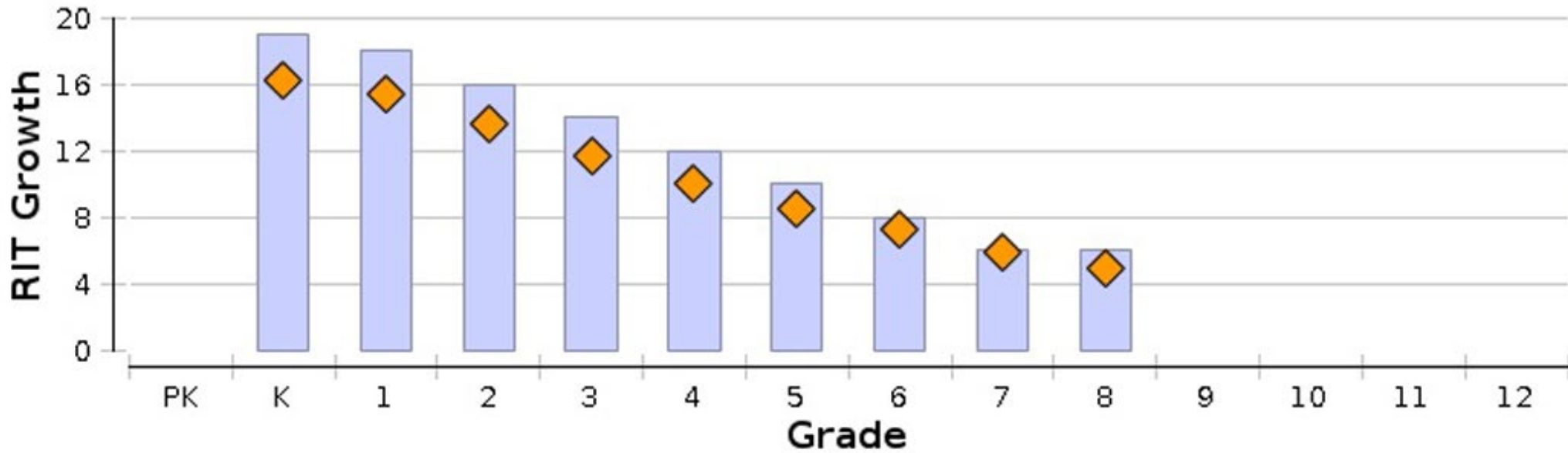
Number Talks...





Showing growth in m

NWEA MAP, Math K-12



STAAR DATA - MATH 2021 VS 2022 3RD - 5TH

MATH	<u>3RD</u> (<u>2021</u>)	<u>3RD</u> (<u>2022</u>)	<u>4TH</u> (<u>2021</u>)	<u>4TH</u> (<u>2022</u>)	<u>5TH</u> (<u>2021</u>)	<u>5TH</u> (<u>2022</u>)
APPROACHES	51%	61%	50%	60%	63%	68%
MEETS	21%	30%	24%	32%	36%	37%
MASTERS	8%	13%	12%	15%	18%	16%

Source: 2019, 2021 TEA Analytic Portal 2022 Cambium
Summary Reports

STAAR DATA - MATH 2021 VS 2022 6TH - 8TH

MATH	<u>6TH</u> (2021)	<u>6TH</u> (2022)	<u>7TH</u> (2021)	<u>7TH</u> (2022)	<u>8TH</u> (2021)	<u>8TH</u> (2022)
APPROACHES	50%	64%	40%	53%	31%	47%
MEETS	19%	31%	15%	25%	10%	13%
MASTERS	6%	12%	5%	10%	1%	1%

STAAR DATA - ALGEBRA I 2021 VS 2022

ALGEBRA I EOC	<u>2021</u>	<u>2022</u>
APPROACHES	55%	57%
MEETS	22%	28%
MASTERS	9%	15%

Secondary Math

1

District Framework



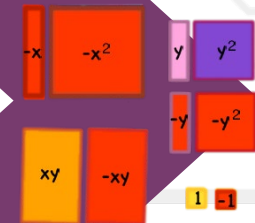
2

Number Talks



3

Manipulatives



4

Level Up ALL students



PreK2 Science

1

District Framework



2

100% Aligned Resources



3

Inquiry Investigations



4

Closing Gaps





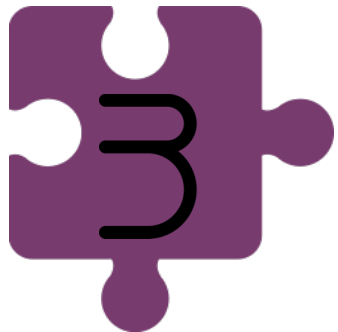
District Science Framework

Do Now 10 minutes Spiraled Review	
10 min	❖ District Created Do Nows
See It - 10 minutes - Engage	
10 min	❖ STEMscopes
Name It - 20 Minutes - Explore/ Explain	
20 min	❖ STEMscopes
OR	
Do It - 20 Minutes - Explain/ Elaborate	
20 min	❖ STEMscopes
Exit Ticket - 10 Minutes - Evaluate	
10 min	❖ District Created Model Questions

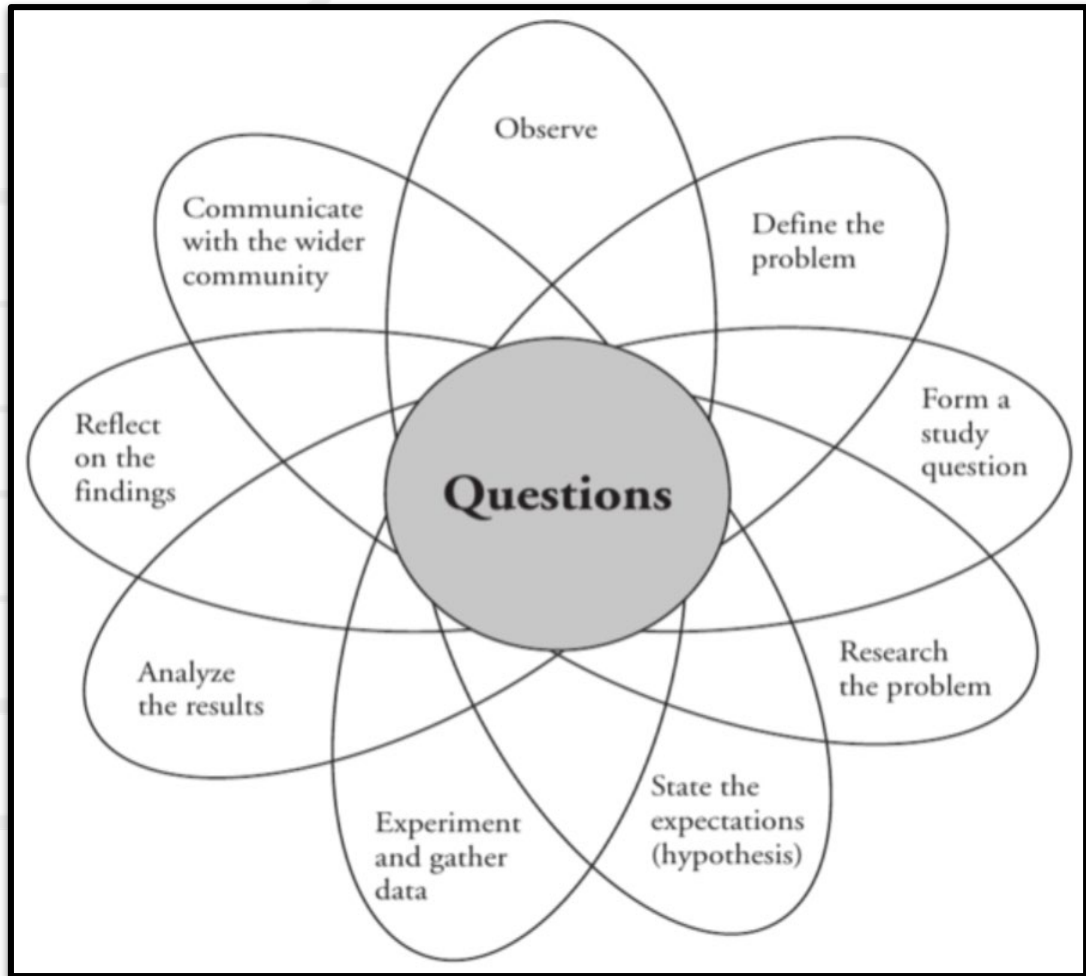
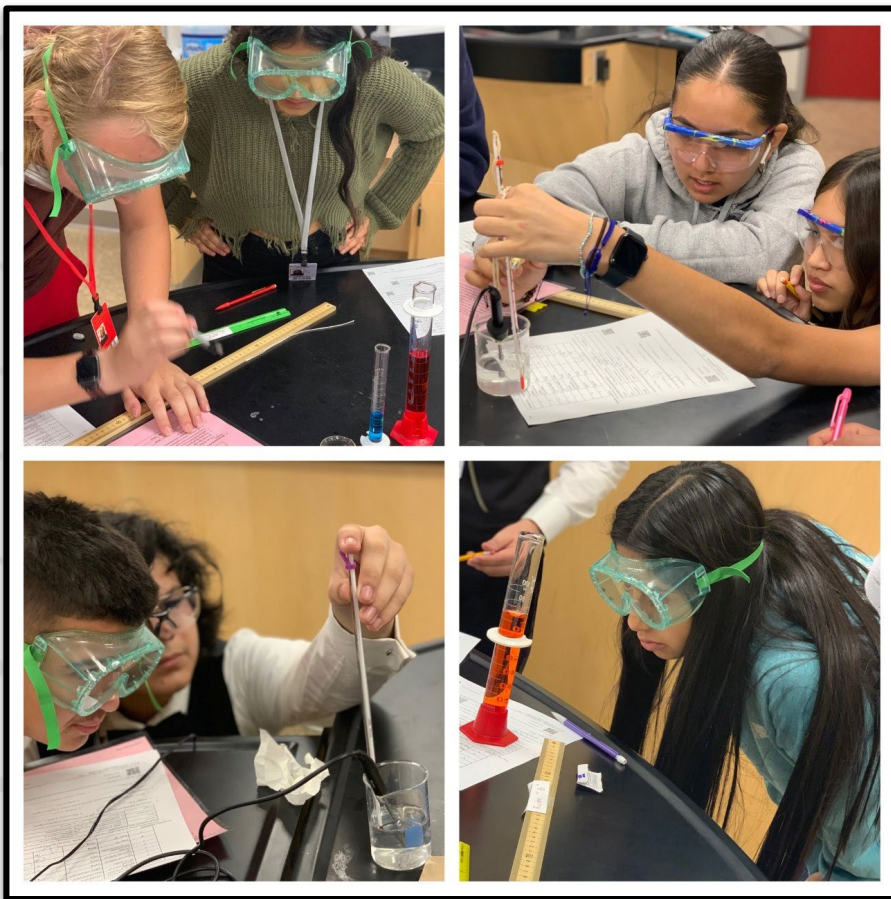


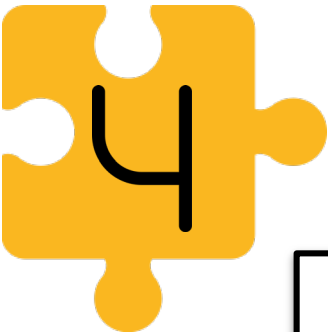
The 5E Model



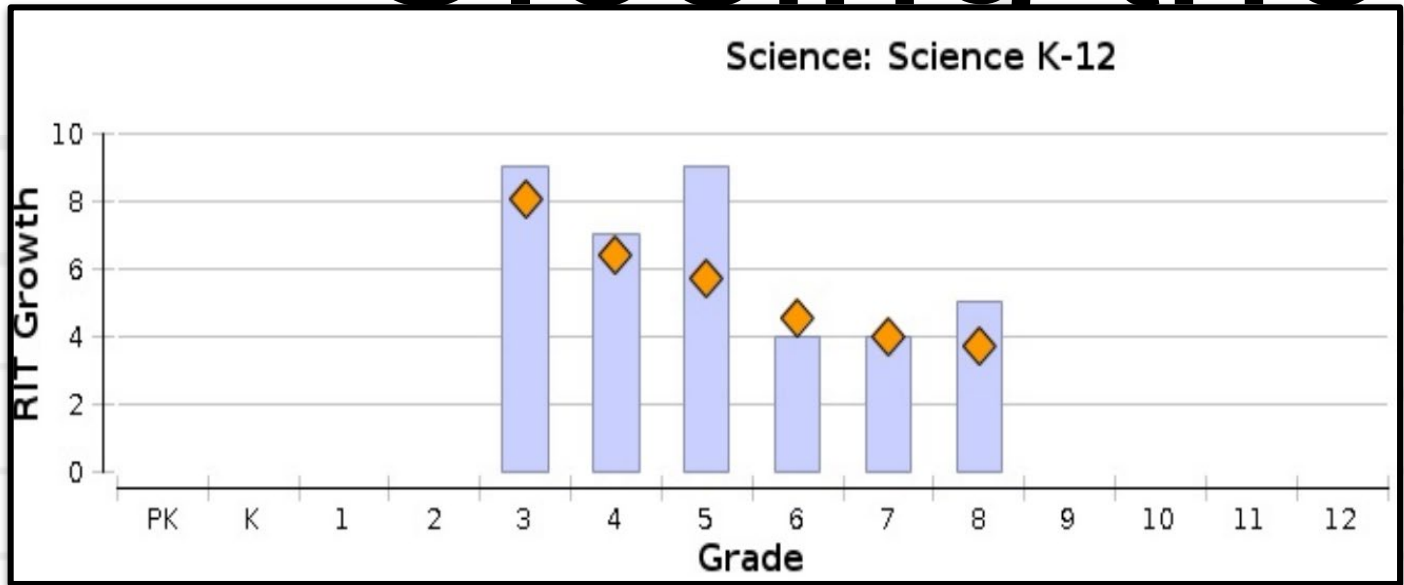


Inquiry Investigation





Closing the Ga



STAAR DATA - SCIENCE 2021 VS 2022 5TH & 8TH

SCIENCE	5TH (2021)	5TH (2022)	8TH (2021)	8TH (2022)
APPROACHES	48%	55%	45%	55%
MEETS	19%	27%	21%	24%
MASTERS	7%	10%	9%	10%

Source: 2019, 2021 TEA Analytic Portal 2022 Cambium Summary Reports

STAAR DATA - BIOLOGY 2021 VS 2022

BIOLOGY EOC	2021	2022
APPROACHES	71%	76%
MEETS	36%	43%
MASTERS	11%	12%

Source: 2019, 2021 TEA Analytic Portal 2022 Cambium Summary Reports

STEM Education Initiatives

1

Partnerships



2

Curriculum and
Professional Learning



3

Parent and Community
Involvement



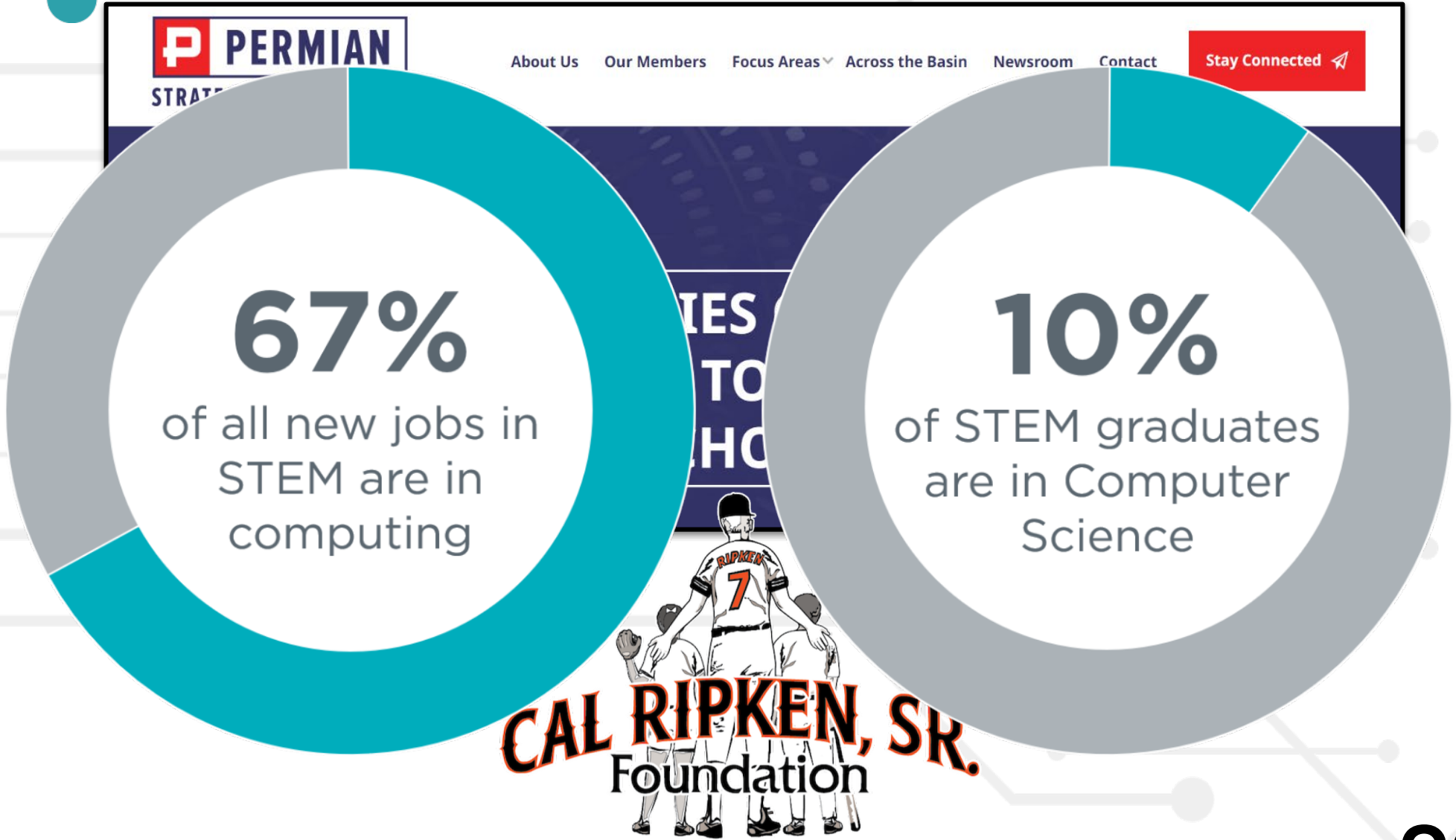
4

Going from STEM to
STEAM



1

STEM Lab Partner



CAL RIPKEN, SR.
Foundation

TRANSFORM COMMUNITIES

20

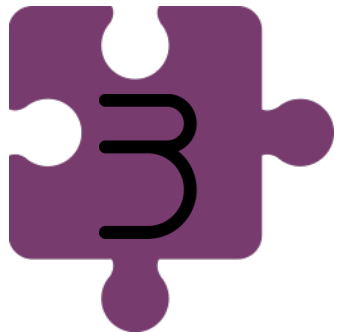


Curriculum and Profession

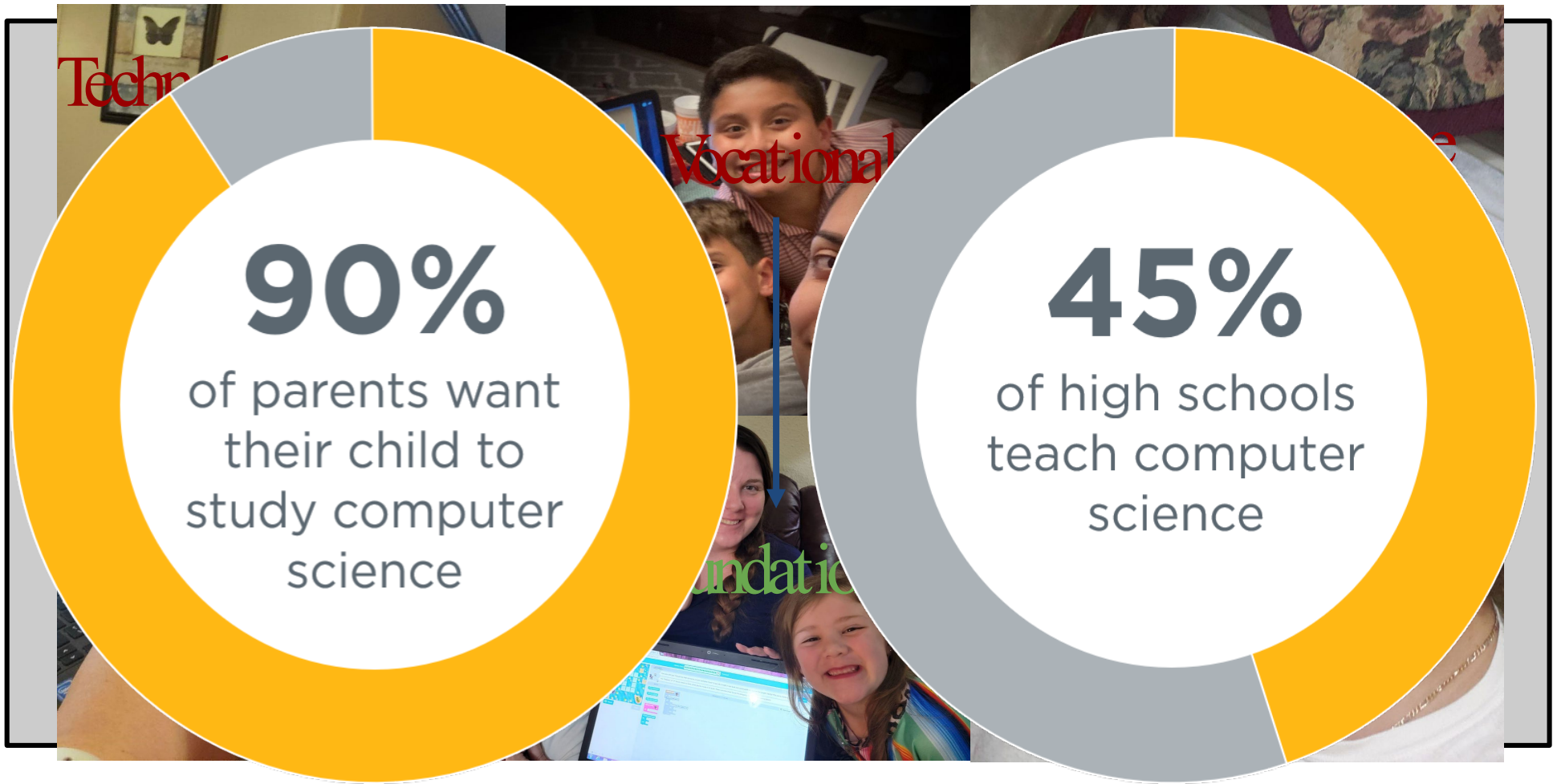
**BootUp and Amazon
Future Engineer
Want to Bring
CS to 1,000
Schools!**

APPLY NOW!





Parent and Community In





Going from STEM to

STEM

+ Art

STEAM

Ector County

BIGGER, BOLDER, BETTER

