



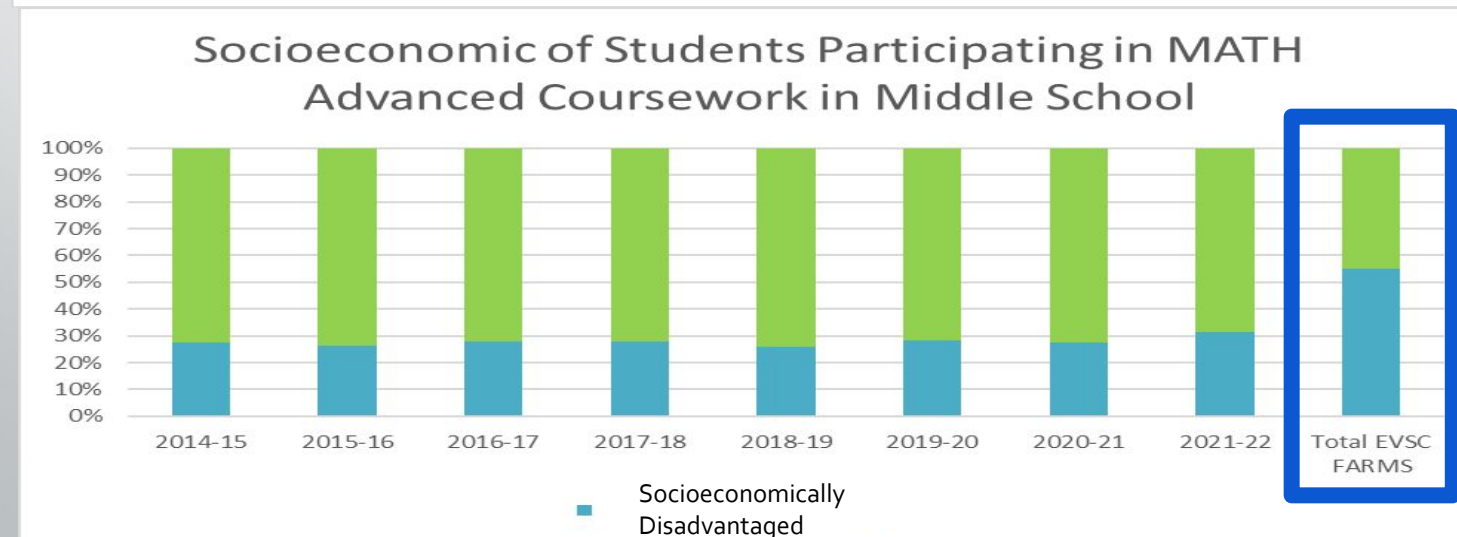
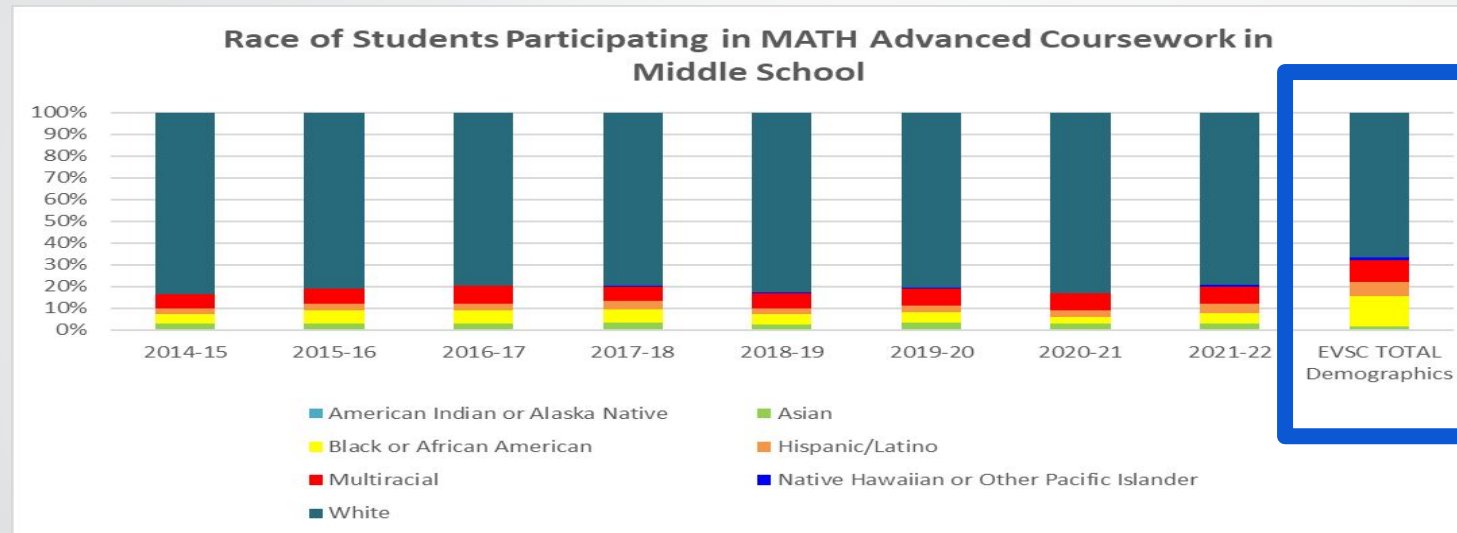
# Equitable Opportunities for Advanced Coursework in Middle Grades

An approach to diversifying student  
populations in advanced-level courses

**Evansville Vanderburgh  
School Corporation**

## Problem Statement

EVSC does not have enough students from underrepresented groups who are ready to take advanced coursework in high school.



The demographics of our students enrolled in advanced coursework for mathematics is not comparable with where we are as a district when looking at overall demographics.

# Student Selection Tool

## Demographic Performance

- High Ability Status
  - Economic Status
  - Ethnic Status
- Range 0 - 3

## Math Assessment Performance

- NWEA Fall or Winter Math Above Standard
  - State Assessment Math Above Proficiency
- Range 0 - 1

## Math Grade Performance

- A or B in Math Class
- Range 0 - 2

## ELA Grade Performance

- A or B in ELA Class
- Range 0 - 2

## Survey Performance

- Extracurricular Activities
  - Course Performance
  - Honors Course Interests
  - Fixed vs Growth Intelligence
  - Focus/Self Control
- Range 0 - 5

## ELA/Reading Assessment Performance

- NWEA Fall or Winter Reading Above Standard
  - State Assessment ELA Above Proficiency
- Range 0 - 1

## Reading Grade Performance

- A or B in Reading Class
- Range 0 - 2

# Student Selection Tool

High Ability Flag	HA Category	Economic Disadvantaged	Econ Dis Category	Ethnicity Description	Ethnicity Category	SURVEY PERFORMANCE Range 0 - 5	DEMOGRAPHIC PERFORMANCE Range 0 - 3	MATH ASSESSMENT PERFORMANCE Range 0 - 1	ELA/READING ASSESSMENT PERFORMANCE Range 0 - 1	ELA GRADES PERFORMANCE Range 0 - 2	READ GRADES PERFORMANCE Range 0 - 2	MATH GRADES PERFORMANCE Range 0 - 2
N	0 Y	1	1	Black or African American	1	1	2	0	0	1	1	2
N	0 Y	1	1	Black or African American	1	1	2	0	0	0	0	0
N	0 Y	1	1	Black or African American	1	2	2	0	0	1	0	1
N	0 Y	1	1	Hispanic/Latino	1	2	2	0	0	0	1	0
N	0 Y	1	1	Hispanic/Latino	1	4	2	0	0	0	1	1
N	0 Y	1	1	Multiracial	1		2	0	0	1	1	0
N	0 N	0	0	Black or African American	1	2	1	1	1	2	1	2
N	0 Y	1	0	White	0	2	1	1	1	0	0	1
N	0 Y	1	1	Hispanic/Latino	1	1	2	1	0	0	0	0
N	0 N	0	0	White	0	4	0	0	0	1	1	1
N	0 Y	1	1	Black or African American	1	3	2	0	0	0	0	0
N	0 Y	1	1	Multiracial	1	1	2	0	0	0	1	0
N	0 N	0	0	White	0	3	0	1	0	2	2	2
N	0 Y	1	0	White	0	4	1	0	0	1	1	1
Y	1 Y	1	1	Black or African American	1		3	1	1	0	1	1
N	0 N	0	0	White	0	3	0	1	0	0	1	1
N	0 N	0	0	Black or African American	1	1	1	0	0	1	1	1
N	0 N	0	0	White	0	2	0	1	0	1	2	1
N	0 Y	1	1	Black or African American	1		2	0	0	0	0	1
N	0 N	0	0	White	0	1	0	1	1	1	1	0
N	0 Y	1	0	White	0	1	1	0	0	0	0	0

# Student Selection Activity

	Demographics	Survey Performance	Math Results	ELA Results	Math Grade	ELA Grade	Reading Grade
Student 1	1	0	1	1	0	0	1
	Black, Econ Dis N, Not HA	Low, 2	Met 1	Met 1	C	C	B
Student 2	2	1	1	1	0	1	1
	Hispanic, Econ Dis N, HA in Both	High, 4	Met All 3	Met 1	C	B	B
Student 3	3	1	1	0	0	2	1
	Hispanic, Econ Dis Y, HA in Math	High, 5	Met All 3	Met None	C	A	B
Student 4	1	0	1	1	0	0	0
	White, Econ Dis Y, Not HA	Low, 1	Met 1	Met 3	C	D	C
Student 5	1	1	1	1	1	0	1
	Asian, Econ Dis N, HA in Math	High, 3	Met 2	Met 1	B	C	B
Student 6	2	1	1	1	2	2	1
	Multiracial, Econ Dis N, HA in ELA	High, 4	Met 1	Met 1	A	A	B
Student 7	2	1	0	1	2	1	1
	Black, Econ Dis Y, Not HA	High, 5	Met None	Met 1	A	B	B
Student 8	2	1	1	1	1	2	0
	Multiracial, Econ Dis Y, Not HA	High, 5	Met 1	Met 2	B	A	C

# Student Selection Activity

## Our Thoughts

	Math		ELA	
	Chosen for Honors Class	In the Past	Chosen for Honors Class	In the Past
Student 1	N	N	N	N
Student 2	Y	Y	Y	Y
Student 3	Y	Y	Y	N
Student 4	N	N	Y	Y
Student 5	Y	Y	Y	N
Student 6	Y	N	Y	Y
Student 7	Y	N	Y	N
Student 8	Y	N	Y	y

# Student Selection Activity

## Our Thoughts

	Demographics	Survey Performance	Math Results	ELA Results	Math Grade	ELA Grade	Reading Grade	Math		ELA	
								Chosen for Honors Class	In the Past	Chosen for Honors Class	In the Past
Student 1	1	0	1	1	0	0	1	N	N	N	N
	Black, Econ Dis N, Not HA	Low, 2	Met 1	Met 1	C	C	B				
Student 2	2	1	1	1	0	1	1	Y	Y	Y	Y
	Hispanic, Econ Dis N, HA in Both	High, 4	Met All 3	Met 1	C	B	B				
Student 3	3	1	1	0	0	2	1	Y	Y	Y	N
	Hispanic, Econ Dis Y, HA in Math	High, 5	Met All 3	Met None	C	A	B				
Student 4	1	0	1	1	0	0	0	N	N	Y	Y
	White, Econ Dis Y, Not HA	Low, 1	Met 1	Met 3	C	D	C				
Student 5	1	1	1	1	1	0	1	Y	Y	Y	N
	Asian, Econ Dis N, HA in Math	High, 3	Met 2	Met 1	B	C	B				
Student 6	2	1	1	1	2	2	1	Y	N	Y	Y
	Multiracial, Econ Dis N, HA in ELA	High, 4	Met 1	Met 1	A	A	B				
Student 7	2	1	0	1	2	1	1	Y	N	Y	N
	Black, Econ Dis Y, Not HA	High, 5	Met None	Met 1	A	B	B				
Student 8	2	1	1	1	1	2	0	Y	N	Y	y
	Multiracial, Econ Dis Y, Not HA	High, 5	Met 1	Met 2	B	A	C				

# Enrollment in Math Honors Class

Again, School E had the most favorable change in distribution of students from ethnically diverse backgrounds. From school year 2021-22 to 2022-23 the percentage of student rose from 27% to 44%.

E	
1	1%
3	4%
13	17%
6	8%
11	14%
44	56%
78	100%

E	
3	5%
1	2%
4	7%
7	13%
40	73%
55	100%

Fall 2022-23	All Schools	A	B	C	D	E	F	G	H	
American Indian or Alaska Native	2	1%				1	1%	1	4%	
Asian	7	2%				3	4%	1	4%	
Black or African American	25	7%		4	25%	13	17%	1	2%	
Hispanic/Latino	15	4%	1	2%	2	13%		3	5%	
Multiracial	26	7%	6	13%		11	14%	3	5%	
Native Hawaiian or Other Pacific Islander	1	0.3%			1	6%				
White	294	79%	41	85%	9	56%	40	95%	75	95%
	370	100%	48	100%	16	100%	42	100%	79	100%

Fall 2021-22	All Schools	A	B	C	D	E	F	G	H	
American Indian or Alaska Native	1	0.3%						1	2%	
Asian	8	2%	1	2%	1	6%		3	5%	
Black or African American	9	3%	1	2%	1	6%	1	2%	2	9%
Hispanic/Latino	12	3%	1	2%	2	11%	2	5%		
Multiracial	29	8%	4	7%	2	11%	3	7%	5	9%
Native Hawaiian or Other Pacific Islander	1	0.3%			1	6%				
White	292	83%	49	88%	11	61%	35	85%	50	88%
	352	100%	56	100%	18	100%	41	100%	57	100%



# Enrollment in Language Arts Honors Class

The school that had the most favorable change in distribution of students from ethnically diverse backgrounds was School E. From school year 2021-22 to 2022-23 the percentage of student rose from 28% to 42%.

Fall 2022-23	All Schools		A		B		C		D		E		G		H	
American Indian or Alaska Native	1	0.3%									1	1%				
Asian	7	2%			1	8%			1	2%	3	4%	1	1%	1	4%
Black or African American	19	6%			1	8%	1	2%			13	16%	1	1%	3	12%
Hispanic/Latino	15	5%	1	4%	2	17%					6	7%	4	5%	2	8%
Multiracial	26	8%	2	7%	1	8%	2	5%	3	5%	11	14%	5	6%	2	8%
Native Hawaiian or Other Pacific Islander	1	0.3%											1	1%		
White	261	79%	24	89%	7	58%	41	93%	58	94%	47	58%	67	85%	17	68%
	330	100%	27	100%	12	100%	44	100%	62	100%	81	100%	79	100%	25	100%

Fall 2021-22	All Schools		A		B		C		D		E		G		H	
American Indian or Alaska Native																
Asian	8	3%	1	3%							3	6%			1	4%
Black or African American	9	3%			2	11%	1	2%	2	4%	1	2%	1	2%	2	9%
Hispanic/Latino	10	3%			2	11%	1	2%			5	9%	1	2%	1	4%
Multiracial	28	9%	2	6%	5	28%	3	7%	3	5%	6	11%	3	6%	5	22%
Native Hawaiian or Other Pacific Islander																
White	265	83%	28	90%	9	50%	36	88%	52	91%	39	72%	48	91%	14	61%
	320	100%	31	100%	18	100%	41	100%	57	100%	54	100%	53	100%	23	100%

E	
1	1%
3	4%
13	16%
6	7%
11	14%
47	58%
81	100%

E	
3	6%
1	2%
5	9%
6	11%
39	72%
54	100%

# Enrollment Based on Socioeconomic Indicators

## Enrollment in Language Arts Honors Class

Fall 2022-23	All Schools		A		B		C		D		E		F		G		H	
Econ Dis Y	125	37%	2	7%	9	75%	7	16%	13	21%	40	49%			32	41%	14	56%
Econ Dis N	216	63%	25	93%	3	25%	37	84%	49	79%	41	51%			47	59%	11	44%
	341	100%	27	100%	12	100%	44	100%	62	100%	81	100%			79	100%	25	100%

Fall 2021-22	All Schools		A		B		C		D		E		F		G		H	
Econ Dis Y	97	30%	7	23%	17	94%	10	24%	16	28%	19	35%	4	9%	14	26%	10	43%
Econ Dis N	223	70%	24	77%	1	6%	31	76%	41	72%	35	65%	39	91%	39	74%	13	57%
	320	100%	31	100%	18	100%	41	100%	57	100%	54	100%	43	100%	53	100%	23	100%

## Enrollment in Math Honors Class

Fall 2022-23	All Schools		A		B		C		D		E		F		G		H	
Econ Dis Y	113	31%	10	21%	10	63%	6	14%	17	22%	39	50%			16	29%	15	60%
Econ Dis N	257	69%	38	79%	6	38%	36	86%	62	78%	39	50%	26	100%	40	71%	10	40%
	370	100%	48	100%	16	100%	42	100%	79	100%	78	100%	26	100%	56	100%	25	100%

Fall 2021-22	All Schools		A		B		C		D		E		F		G		H	
Econ Dis Y	103	29%	16	29%	17	94%	8	20%	17	30%	19	35%	3	6%	15	28%	8	36%
Econ Dis N	249	71%	40	71%	1	6%	33	80%	40	70%	36	65%	46	94%	39	72%	14	64%
	352	100%	56	100%	18	100%	41	100%	57	100%	55	100%	49	100%	54	100%	22	100%

E	
40	49%
41	51%
81	100%

E	
19	35%
35	65%
54	100%

G	
32	41%
47	59%
79	100%

G	
14	26%
39	74%
53	100%

E	
39	50%
39	50%
78	100%

E	
19	35%
36	65%
55	100%

H	
15	60%
10	40%
25	100%

H	
8	36%
14	64%
22	100%

# Grades in Honors Class

In taking a closer look at School E, students tended to receive grades of A or B regardless of ethnic background in both Language Arts and Math. Similarly, regardless of socioeconomic background, students tended to receive grades of A or B in Schools E and G.

School E

LANGUAGE ARTS 6H	Semester 1			Grading Period 3		
	Grade of A or B	Total Students	Percent Grade of A or B	Grade of A or B	Total Students	Percent Grade of A or B
Asian	1	1	100%	1	1	100%
Black or African American	10	10	100%	10	11	90.9%
Hispanic/Latino	5	5	100%	4	5	80.0%
Multiracial	12	12	100%	11	12	91.7%
White	45	46	97.8%	35	46	76.1%
Total	73	74	98.6%	61	75	81.3%

School E

MATH 6H	Semester 1			Grading Period 3		
	Grade of A or B	Total Students	Percent Grade of A or B	Grade of A or B	Total Students	Percent Grade of A or B
Asian	1	1	100%	1	1	100%
Black or African American	8	10	80.0%	9	11	81.8%
Hispanic/Latino	5	6	83.3%	4	6	66.7%
Multiracial	12	13	92.3%	12	13	92.3%
White	36	43	83.7%	34	43	79.1%
Total	62	73	84.9%	60	74	81.1%

School E

LANGUAGE ARTS 6H	Semester 1			Grading Period 3		
	Grade of A or B	Total Students	Percent Grade of A or B	Grade of A or B	Total Students	Percent Grade of A or B
Economically Disadvantaged Y	36	37	97.3%	31	39	79.5%
Economically Disadvantaged N	36	36	100%	29	35	82.9%
Total	72	73	98.6%	60	74	81.1%

School E

MATH 6H	Semester 1			Grading Period 3		
	Grade of A or B	Total Students	Percent Grade of A or B	Grade of A or B	Total Students	Percent Grade of A or B
Economically Disadvantaged Y	31	38	81.6%	31	39	79.5%
Economically Disadvantaged N	30	34	88.2%	29	35	82.9%
Total	61	72	84.7%	60	74	81.1%

School G

LANGUAGE ARTS 6H	Semester 1			Grading Period 3		
	Grade of A or B	Total Students	Percent Grade of A or B	Grade of A or B	Total Students	Percent Grade of A or B
Economically Disadvantaged Y	28	29	96.6%	27	28	96.4%
Economically Disadvantaged N	46	46	100%	43	44	97.7%
Total	74	75	98.7%	70	72	97.2%

School H

MATH 6H	Semester 1			Grading Period 3		
	Grade of A or B	Total Students	Percent Grade of A or B	Grade of A or B	Total Students	Percent Grade of A or B
Economically Disadvantaged Y	8	15	53.3%	9	14	64.3%
Economically Disadvantaged N	8	10	80.0%	9	10	90.0%
Total	16	25	64.0%	18	24	75.0%

## Follow Up from Summer Growth Mindset Professional Development

**Thinking about the Kagan Growth Mindset workshop, do you feel like it has changed any of your approach to teaching this year? If so, what is different?**

Yes, I liked the different "open ended" approach to problem solving.

Yes, it has made me think of ways to bring Kagan back into the classroom after a few years of not using it because of COVID.

Yes, the workshop gave me the confidence I needed to trust myself with Kagan.

Using the strategies to foster engagement and promote students working together. It also increases student communication to share thinking about strategies used in problem solving.

**Have you used any of the problems with your classes that we did this summer in the math PD? If so, how did it go?**

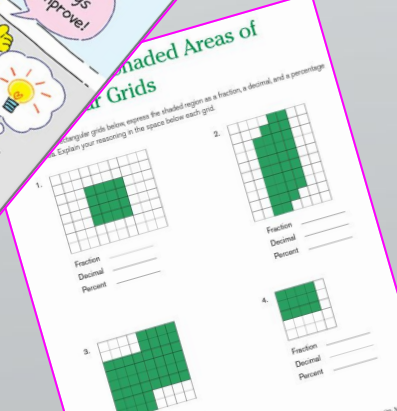
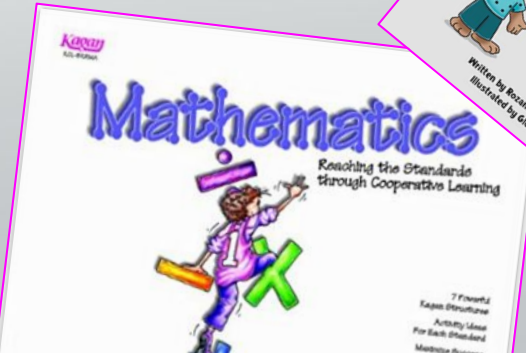
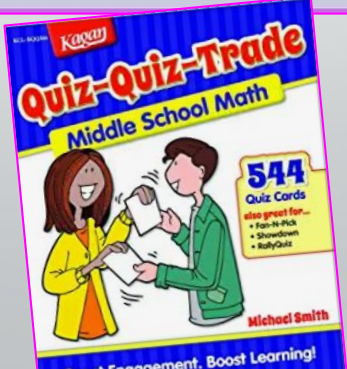
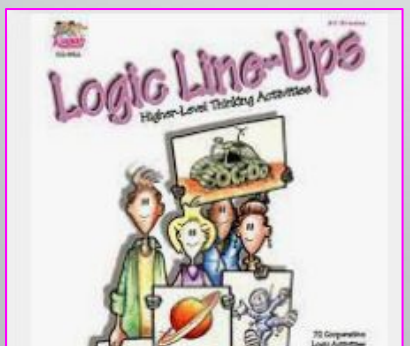
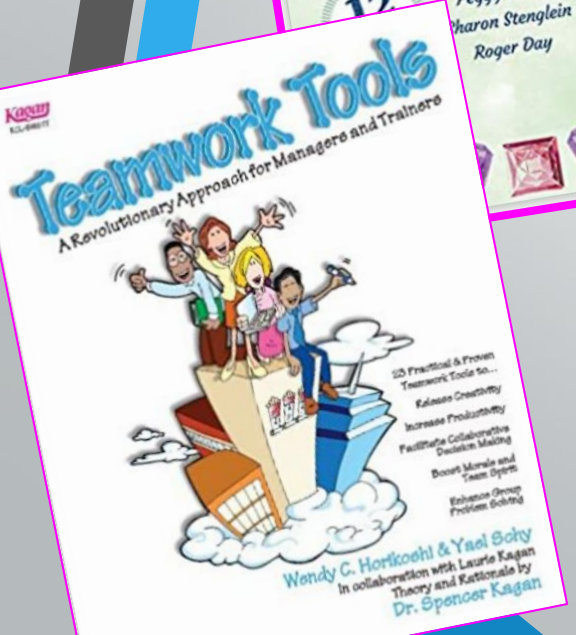
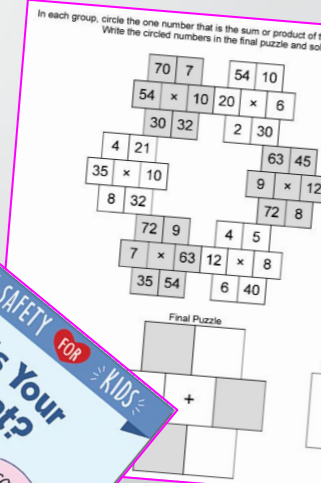
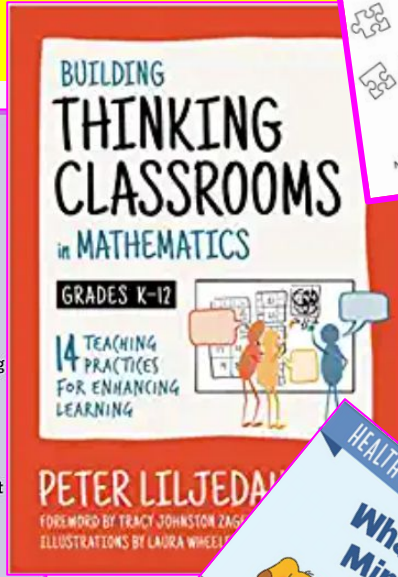
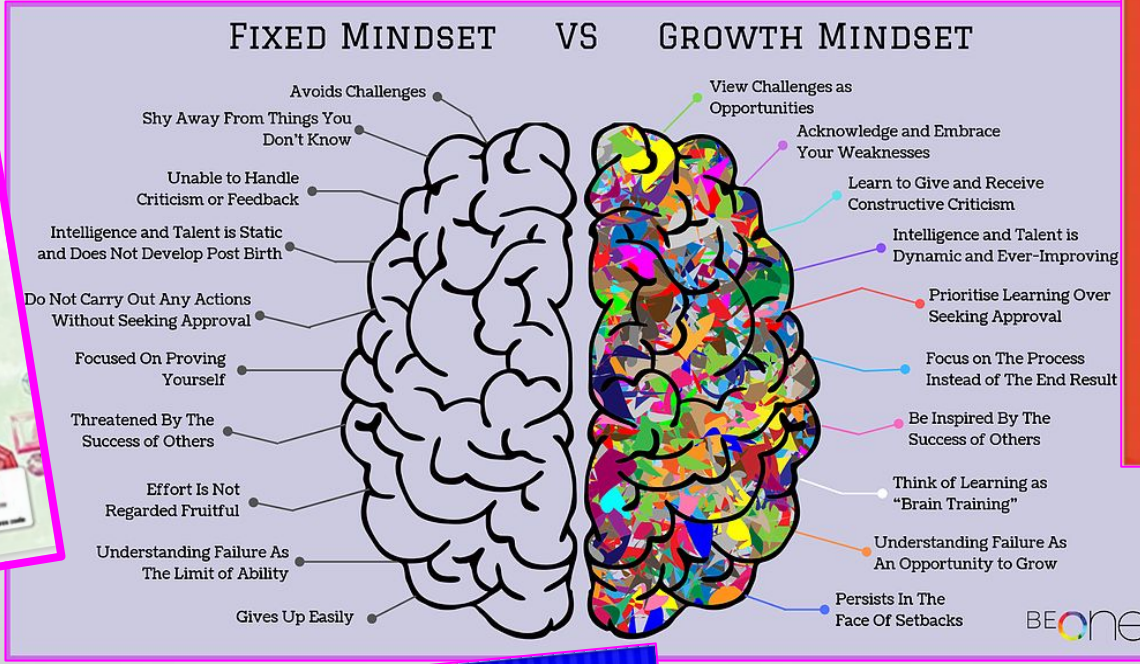
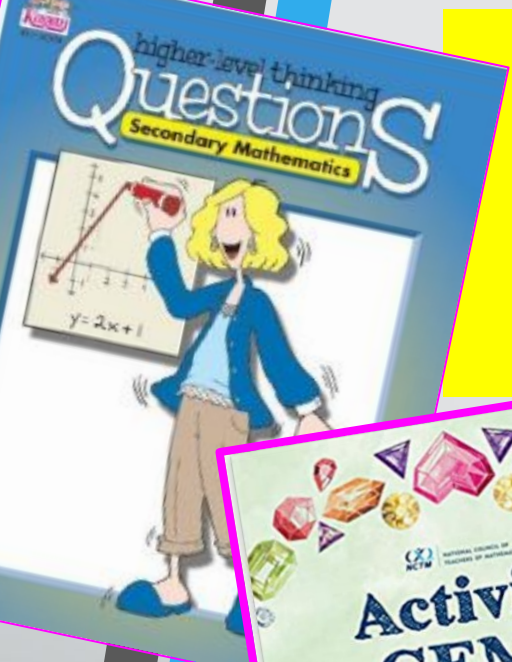
The students loved the engagement and motivated to discuss and problem solve together.

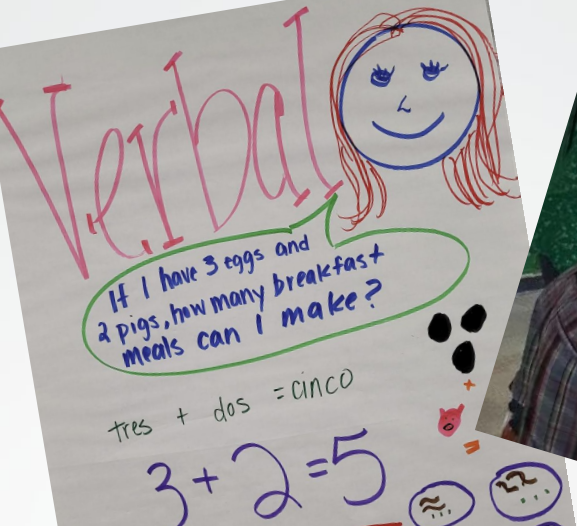
One of the problems went well with all classes. Two of the problems went well only for the honors class.

It was good. Productive struggle is always a challenge at first until they realize that this is ok.

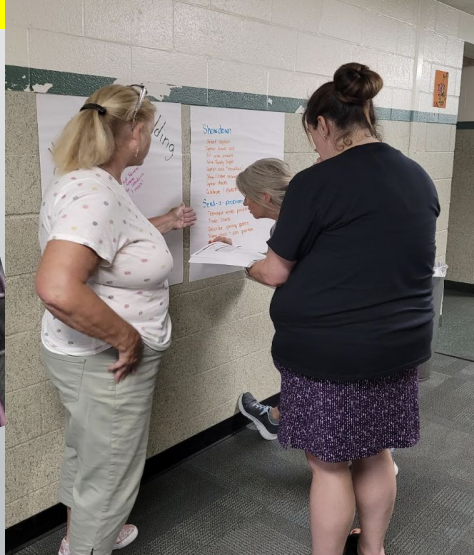
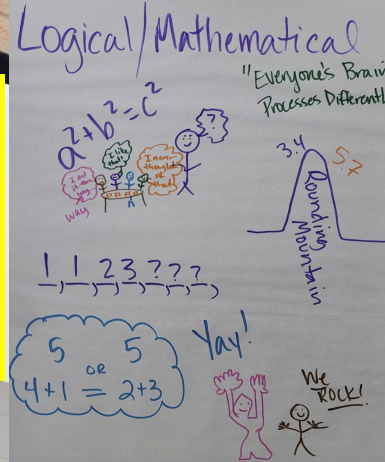
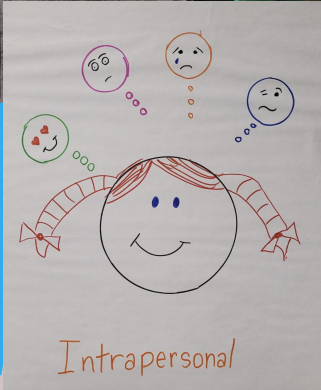
I gave my students the Penny Collection problem today. They did not have as much time as I would have liked to work on it in class, but I figured it was now or never for me to start integrating the problem solving! I wanted to share with you that I had a couple of students stop me at lunch or between classes to show me what they came up with, one being a student that often does not have her homework done. That was pretty exciting!

# Summer PD: Kagan Growth Mindset/Math Growth Mindset Follow Up





# Summer PD: Kagan Growth Mindset/Math Growth Mindset Follow Up





# Moving Ahead for the Next School Year

Participating schools have given the survey and used the results to enroll students for next year

Non-participating schools are wanting to learn more about the tool and what other schools are doing

Teachers are inquiring about additional PD this summer

Continue to expand on the problem solving opportunities with all students