Flip it



Blend it



Share it



www.FlippedMath.com

Department of Defense Dependent Schools

Flipped Mastery since 2010



"Common Core-y"
Sullivan
Kaiserlautern HS



Mike Brust Ramstein HS



Tim Kelly Baumholder HS



Algebra



Geometry



Algebra 2





ALGEBRA Application

Precalculus



Flipped Learning

Direct instruction is done outside of class.



Flipped Mastery

Individual instruction, progression based on mastery.



Traditional Unit 3 Test = 72%



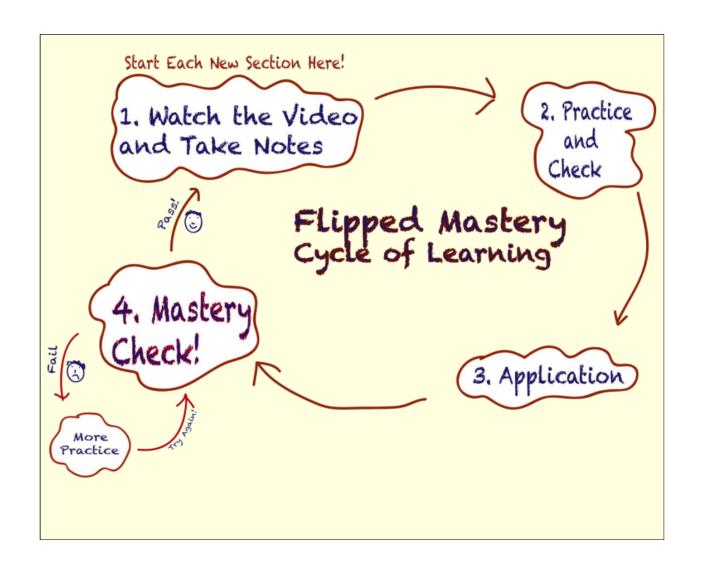
"Mastery"

"Mastery" Re-Test

Α	В	С	D	E	F	average
Â	5	8	8	2	6	55
9	9	10	10	10	9	95
6	5	7	9.5	10	6	73
4	4	8	8	2	6	53
5	5	2	2	10	4	47
7	7	6	10	10	6	77
10	9	10	9	10	10	97
10	9	10	7	10	10	93
7	8	9	8	6	10	80
-	8	7	7	6	8	68
7	6	3	10	4	9	65
9	8	6	8	10	9	83
8	6	8	9.5	8	10	83
4	10	1	8	2	9	57
9	5	9	10	8	6	78
7	5	10	6	10	8	77
8	7	8	7	0	2	53
10	10	10	10	10	10	100
10	7	8	9	10	10	90
9	5	7	6	4	10	68
10	7	10	8	8	10	88
10	5	7.5	9	10	10	86
10	5	9	9	10	10	88
10	9	9	4	10	10	87
8	5	7	9.5	8	8	76

Flipped Mastery

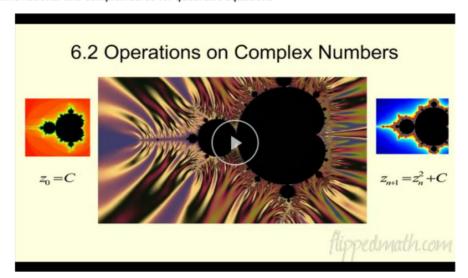
					-
Α	В	С	D	E	F
10	10	10	10	10	10
10	10	10	10		
10	10	10	10	10	
10	10	10			
10	10	10	10	10	
10	10	10	10	10	10
10	10	10	10	10	10
10	10	10	10	10	10
10	10	10	10		
10	10	10	10	10	10
10	10	10	10	10	10
10	10	10	10	10	10
10	10	10	10	10	
10	10	10	10	10	
10	10	10	10	10	10
10	10	10	10		
10	10	10	10	10	
10	10	10	10	10	10
10	10	10	10	10	10
10	10	10	10		
10	10	10	10	10	
10	10	10	10	10	10
10	10	10	10	10	
10	10	10	10	10	10
10	10	10	10	10	10



www. Flipped Math. com

Section 6.2 Operations on Complex Numbers

- A2.1 Students analyze complex numbers and perform basic operations.
- A2.1.1 Define complex numbers and perform basic operations with them.
- A2.1.2 Demonstrate knowledge of how real and complex numbers are related both arithmetically and graphically.
- A2.1.4 Determine rational and complex zeros for quadratic equations



Packet

Practice Solutions

Corrective Assignment

Video



a2_6.2_packet.pdf Download File



a2_6.2_practice_solutions.pdf Download File



a2_6.2_ca.pdf Download File



a2_6.2_video.mp4 Download File

Blended Class

 Online delivery of instruction with student control of pace

Algebro Blended Class

- Algebra, Geometry, Algebra 2 in Units 1-12
- Multi-Age, Multi-Level Utopia
- Organized Chaos



Quarter 3 Grades

Student Name	7.2	7.3	7.4	7.5	Unit 7 Test	8.1	8.2	89 19	8,4	8.5	Unit 8 Test	9.1	9.2	9.3	9.4	Unit 9 test
Algebra Student 1					87						85					78
Algebra Student 2					89						83					81
Algebra Student 3					83						89					
Algebra Student 4					91											
Algebra Student 5					99						90					78
Algebra Student 6																
Algebra Student 7					89						93					
Algebra Student 8					93						89					
Algebra Student 9					94						90					81
Algebra Student 10					73						89					84
Algebra Student 11					79						74					90
Algebra Student 12					81											
Algebra Student 13					73						72					
Alashan	Malukana and Andrews and Andre															

CAUTION: Fluctuating grades need to be addressed!

"Cher" It



4 Teachers Collaborating

3 Demographically Different Schools
Several hundred students' feedback

Sharing our...

Teacher Group

nclude grades based on learning

Prepare for FM

-Assessments

-Logistics

Supporting Students -Saturday Sessions

-March Mathness

-Flipped Fridays

-Lab

STUFF WE USE









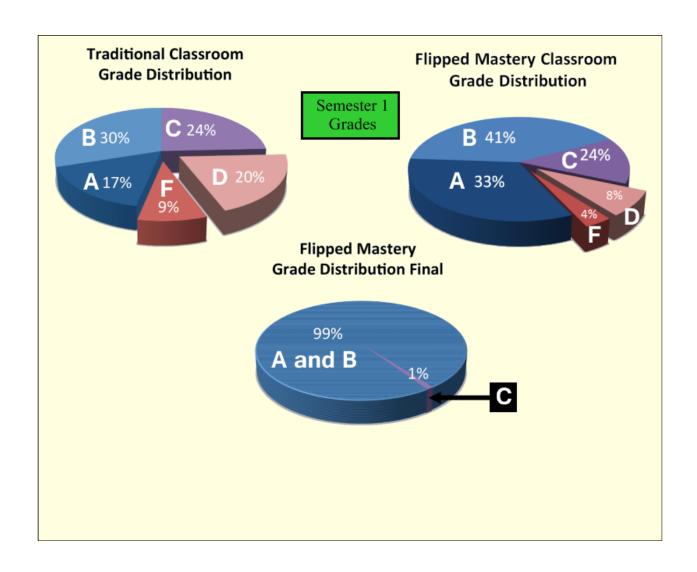




Questions?

@TheAlgebros





Local Common Assessment

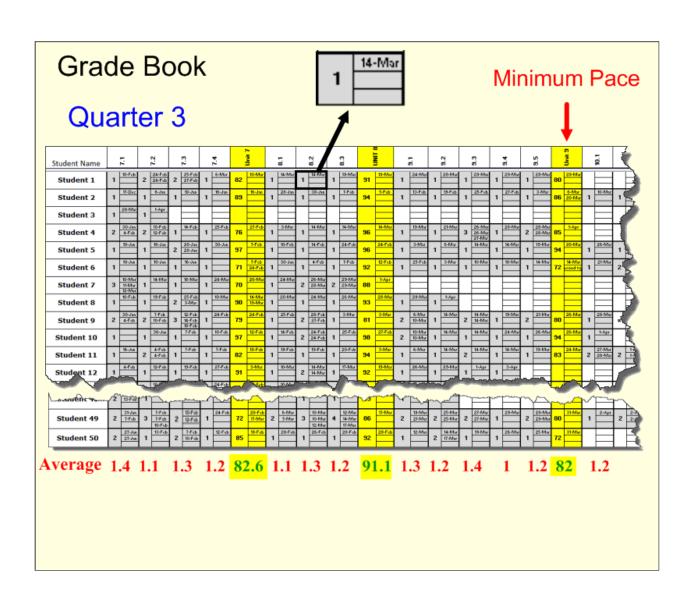
Flipped Mastery = 84% Traditional = 78%

Standardized Test

Terra Nova

Combined Results n = 154 (BMHS, KHS, RHS)

Average NCE 2011 Average NCE 2012 Average NCE difference P-Value 57.24 60.26 3.02 0.00000611



Impact

- -all ability levels
- -special education
- -support class and services
- -parents

	Baumholder HS (Kelly)	Kaiserslautern HS (Sullivan)	Ramstein HS (Brust)
Average NCE 2011	53.28	53.35	61.30
Average NCE 2012	57.59	56.55	64.16
Average NCE difference	+4.31	+3.20	+2.86
P-Value	0.0020	0.0088	0.0316

