

Considering the Source:

The Lenses We Use When We Assess

Joel Amidon, PhD
University of Mississippi
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mathpluslove.com

leading people in loving others through math education

OPPORTUNITIES

to fit **your life**



96% satisfaction rate
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What questions do you have about what we have learned?

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**Why do we have so much
f%*#ing homework?**

Formative assessment

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National Council of Supervisors of Mathematics &
Association of Mathematics Teacher Educators, 2014

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Coach or **Critic**

Coach Critic

Coach

Relationship

Critic

No Relationship

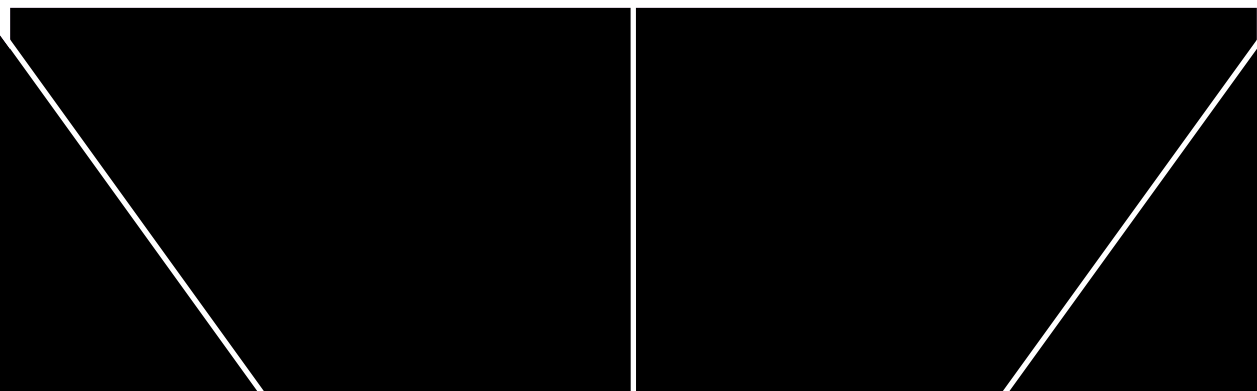
Mathematics



Learners

Mathematics

Learners



Practice

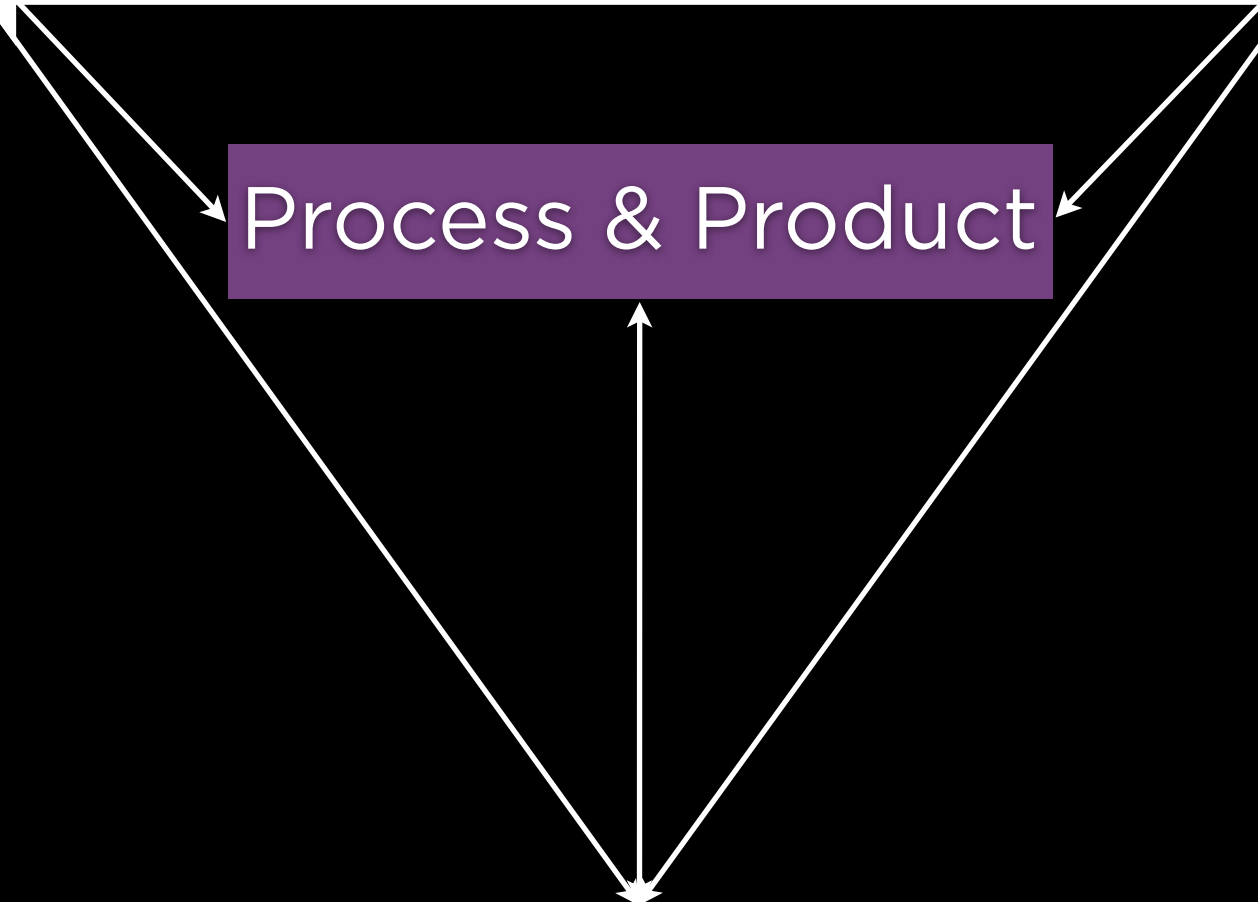
Teacher

Mathematics

Learners

Process & Product

Teacher



Coach

Relationship

Critic

No Relationship

Coach

Relationship
Assumes the Best

Critic

No Relationship
Assumes the Worst

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Demands Respect

Coach

Relationship

Assumes the Best

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From Love

Critic

No Relationship

Assumes the Worst

Demands Respect

From Pride



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**FREE
HUGS**



**FREE
HUGS**

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Coach

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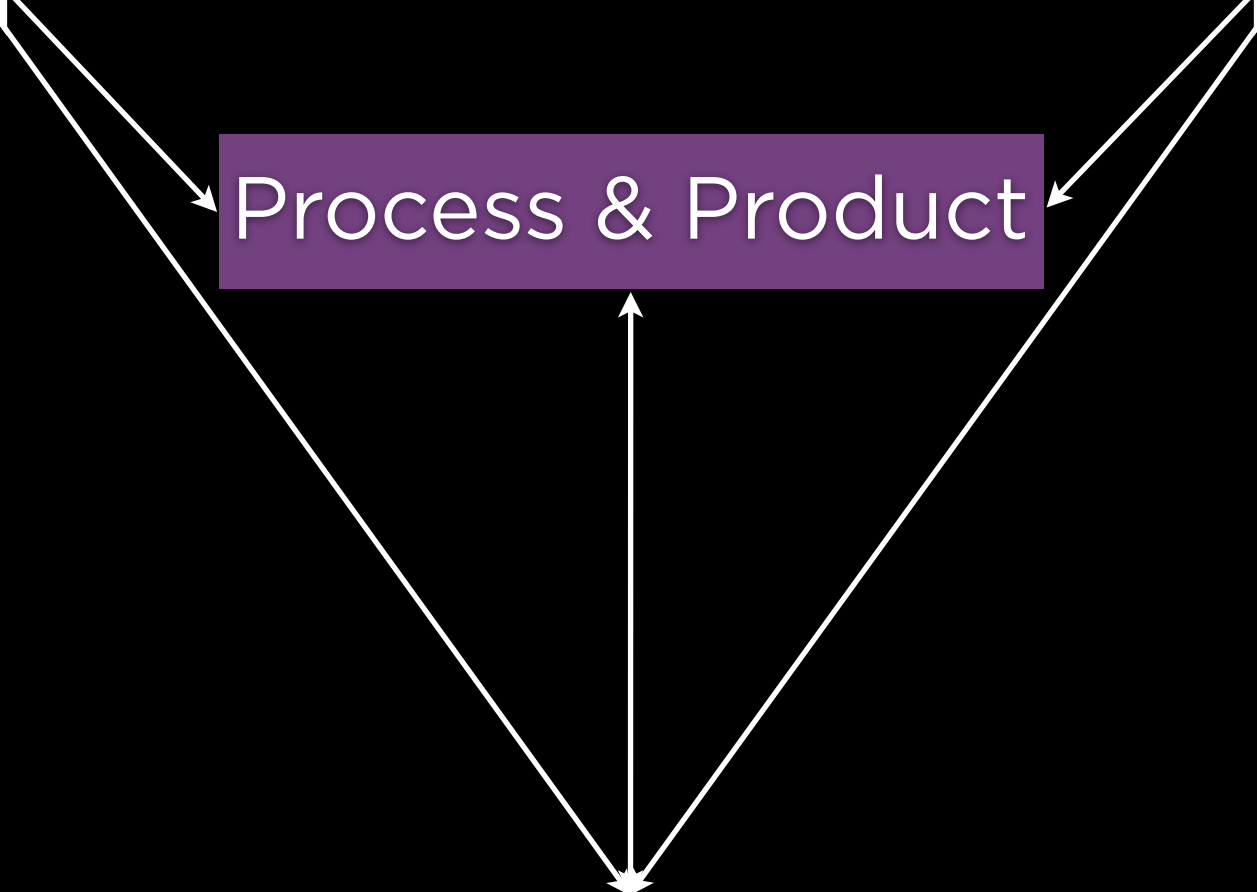
Mathematics



Learners

Process & Product

Teacher



What questions do you have about what we have learned?

**Why do we have so much
f%*#ing homework?**

Below is the reported amount of time our class spends doing homework each day, broken up by class.

	Math	English	History	Adventures in Print	Biology	Spanish	Gym	French	Agriculture	Art	Band	Total
10			5		5							20
15			10			5						30
10	5		10		10							35
20	10		5									35
15			15			10						40
15	20		10		10		1					56
15	10		20		20							65
15	20		10		5			15				65
15	15		15		15	15						75
45	10		12		15							82
15	15		15		15			15	15			90
20	15		30		15	10						90
45	25		40									110
15	25		35		10	10				20		115
25	15		30		15	7					30	122
35	15		20	10	30	20						130
25	50		25		35			15				150
25	30		120		30	10						215
15	45		90		45					30		225
15	15		120		120	15						285

The goal of the project is to:

- Practice the objectives of the unit, which are:
 - Use various graphical displays to plot data
 - Interpret patterns seen in graphical displays
 - Compute and interpret measures of center and variability for sets of data
- Answer questions about the data.
- Share your answers about the data to make this school a better place. This could be a recommendation for teachers, advice for students, guidelines for principals or parents, etc. The way you choose to share your answers can be of your choosing, letter, chart, pamphlet, computer presentation, poster, etc.

Before we do anything we need to answer the following question:

What is the purpose of homework?

Coach

Relationship
Assumes the Best
Earns Respect
From Love

Critic

No Relationship
Assumes the Worst
Demands Respect
From Pride

Coach or **Critic**

How do I
see like a
Coach?

How do I
see like a
Coach?

Know the Content

How do I see like a **Coach?**

Know the Content



Progressions

TurnOnCCMath.net

Cognitively Guided
Instruction

How do I
see like a
Coach?

Know the Content

How do I
see like a
Coach?

Know the Content

Develop Relationships

How do I
see like a
Coach?

Know the Content
Develop Relationships

Take Time
Use Groups

Complex
Instruction

Cooperative
Learning

How do I
see like a
Coach?

Know the Content

Develop Relationships

How do I
see like a
Coach?

Know the Content

Develop Relationships

Use Good Stuff

How do I
see like a
Coach?

Know the Content
Develop Relationships
Use Good Stuff

Illustrative Mathematics

Inside Mathematics

Mathematics Assessment
Project

How do I
see like a
Coach?

Know the Content

Develop Relationships

Use Good Stuff

Let Go

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Mission

Lead people to love others through education

Vision

Every teacher using the teaching and learning of content to love their students, communities, and the world