

Senior Seminar and Capstone Career and Education Development



Quick Story



A response to prepare students to become college and post-secondary life ready

A response to Standard-Based Learning

A response to Student-Centered Education

College Ready

Increase to:

4 years of Math

4 years of Science

2 years of World Languages

1 year of **Senior Seminar and Capstone**

Standard-Based Learning

From a Traditional High School

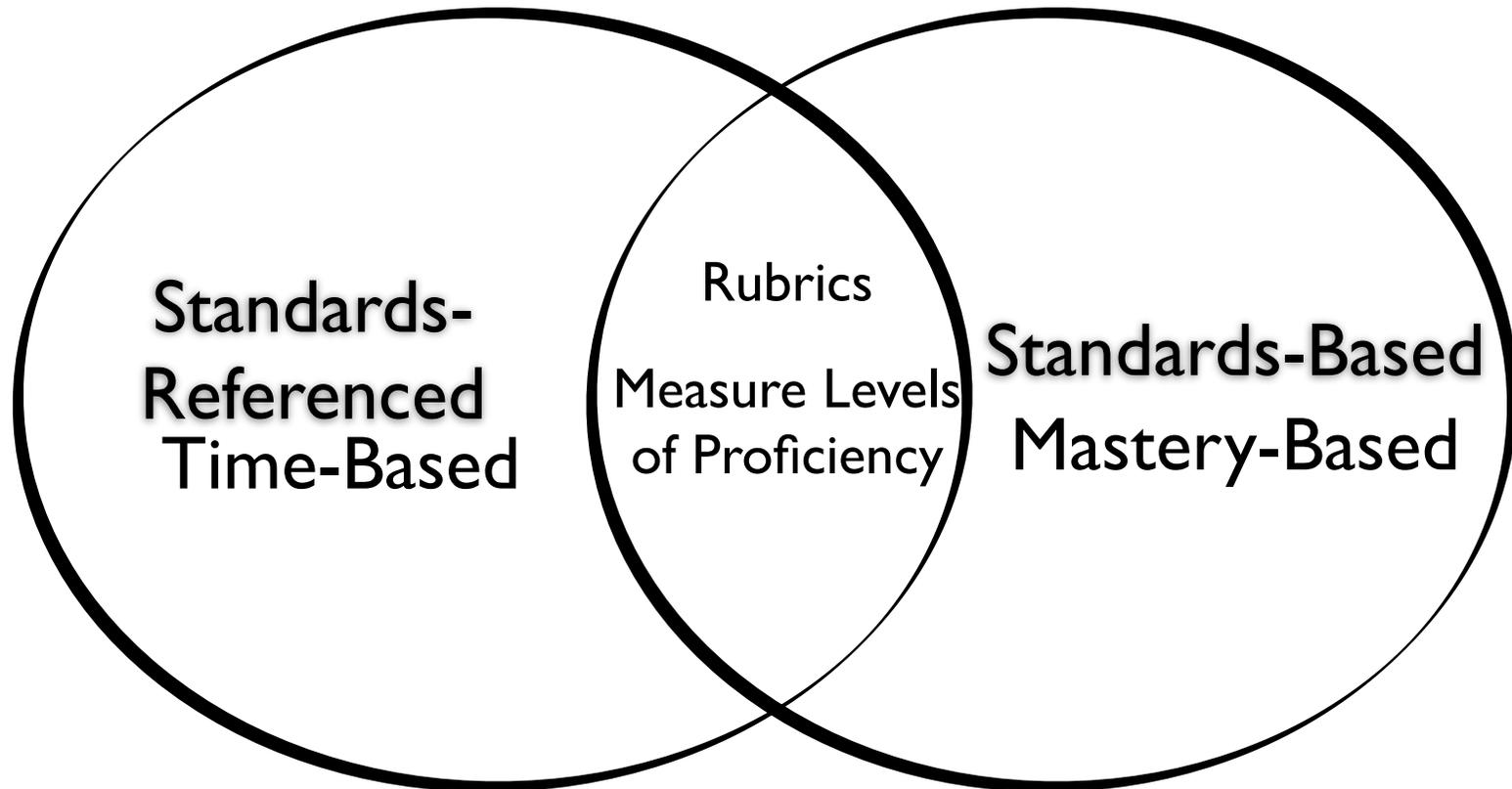


To Standard Reference



To  Standard-Based and Student Centered Learning

Standards-Reference vs. Standards-Based



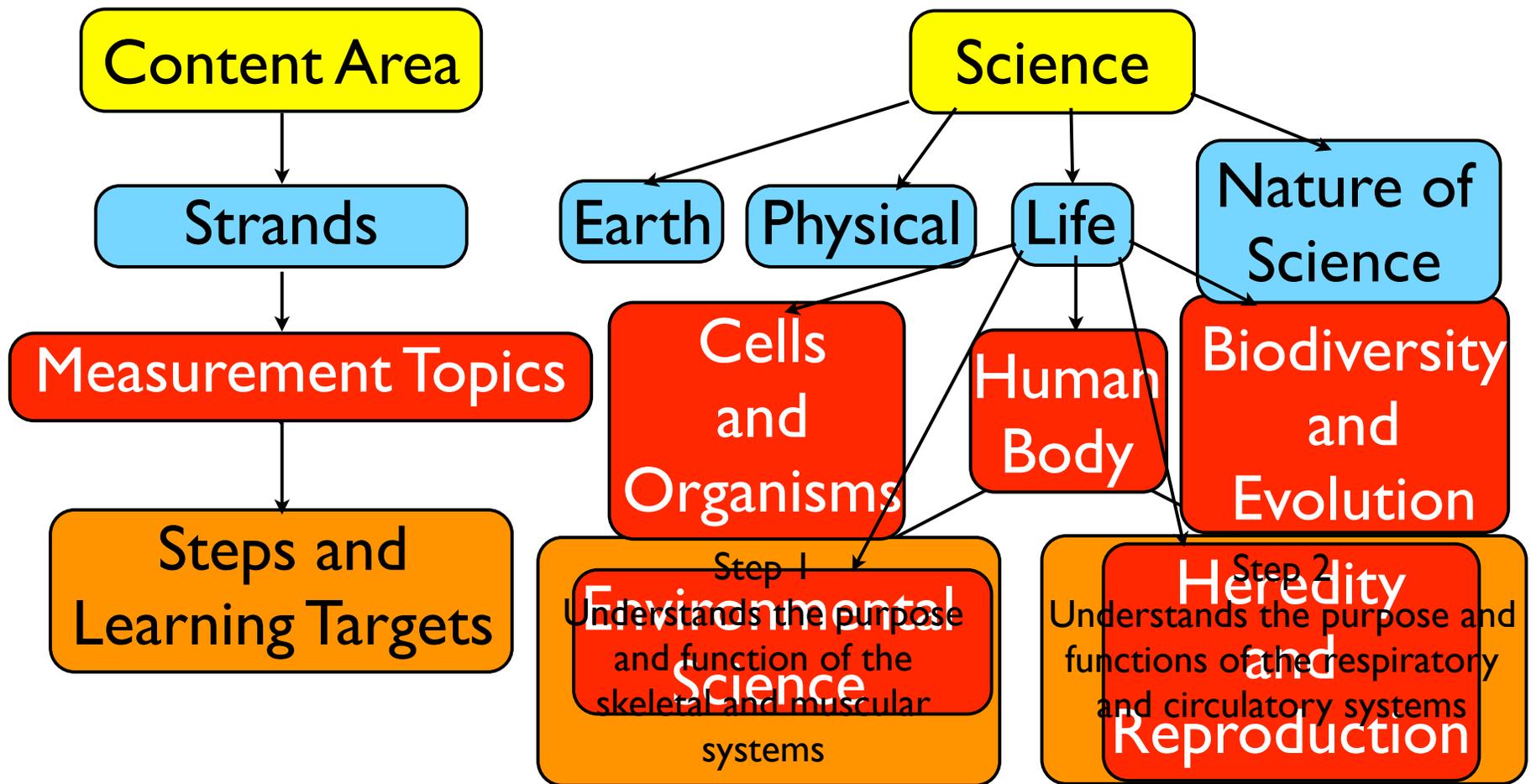
From Standards Referenced Curriculum to Measurement Topics & Learning Targets

Foundational Principles for Learning:

Students learn in different ways

Students learn in different time frames

What Are Measurement Topics (MTs) and Learning Targets?



Student-Centered Learning

What does the classroom look like and feel like?

Teacher-Centered	Learner-Centered
Focus is on teacher	Focus is on both learners and instructor
Teacher talks; learners listen	Teacher models; learners interact with teacher and one another
Learners work alone	Learners work in pairs, in groups, or alone depending on the purpose of the activity
Teacher monitors and corrects every learner utterance	Learners talk without constant teacher monitoring; teacher provides feedback/correction when questions arise
Teacher answers learners' questions about language	Learners answer each other's questions, using teacher as an information resource
Teacher chooses topics	Learners have some choice of topics
Teacher evaluates learning	Children evaluate their own learning; teacher also evaluates
Classroom is quiet	Classroom is often noisy and busy

What has changed?



From Bloom's Taxonomy to The New Taxonomy

(Marzano and Kendall, 2007)

Bloom's

- Knowledge
- Comprehension
- Application
- Analysis
- Synthesis
- Evaluation

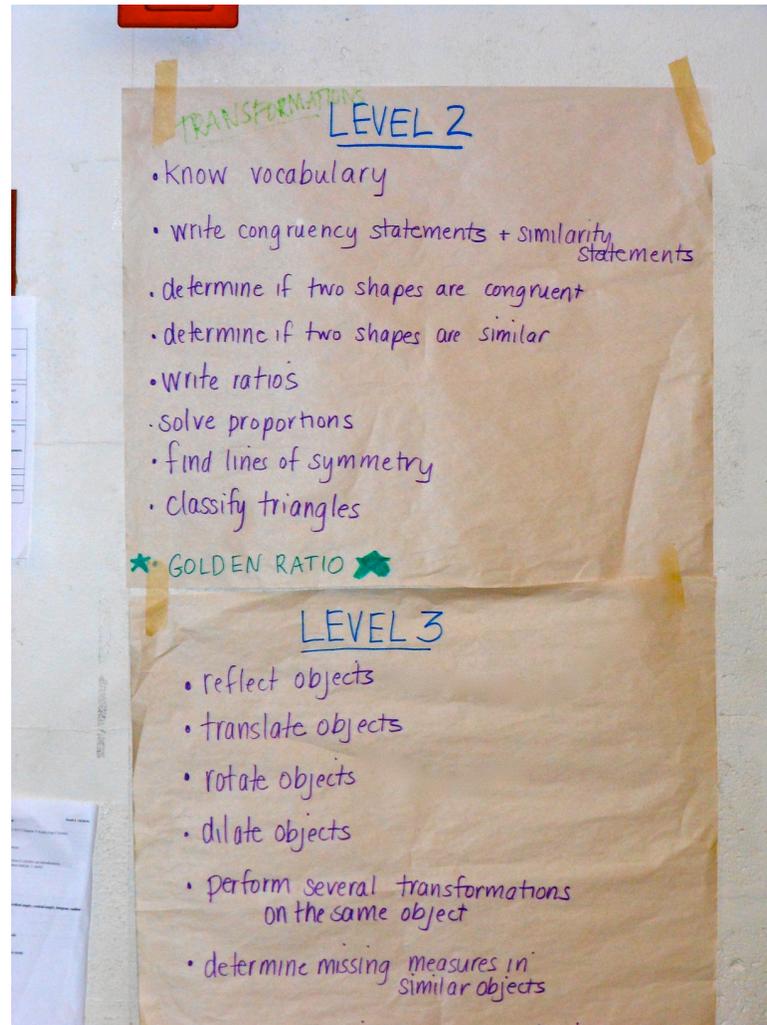
Marzano's

- Retrieval
- Comprehension
- Analysis Knowledge/
- Utilization
- Metacognition
- Self-System Thinking

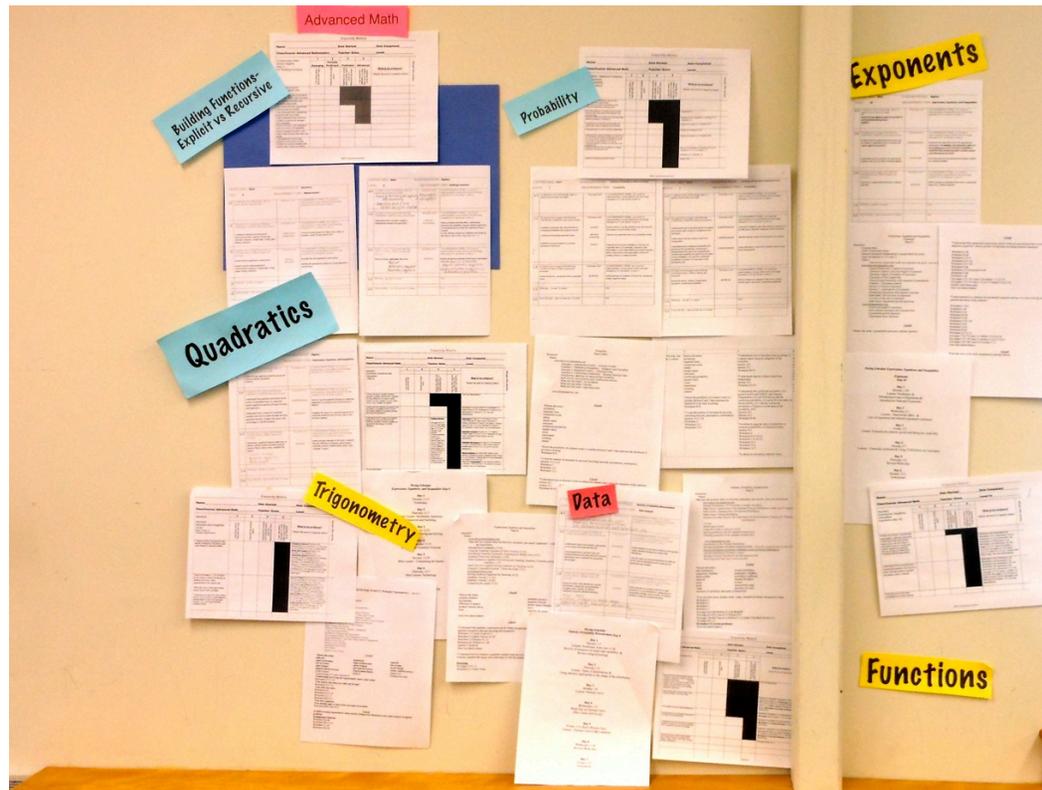
From Standards-Referenced Curriculum to Measurement Topics & Learning Targets

CONTENT AREA: Math		STANDARD/STRAND: Algebra	
LEVEL: 2		MEASUREMENT TOPIC: Interpreting Functions	
4.0	<i>In addition to the 3.0 knowledge, infers or applies beyond what was taught</i> Understand how to compare two functions with different representations (algebraically, graphically, numerically in tables or by verbal description)	<i>Taxonomy Level</i> KNOWLEDGE	4.0 ASSESSMENT ITEMS: <i>As a result of understanding or being skilled at the knowledge identified in 4.0, the learner is able to:</i> Create and identify similarities and differences between two functions with different representations.
3.0	<i>No major errors or gaps in the following TARGETED, COMPLEX ideas and processes</i> Understand how to describe qualitatively the functional relationship between two quantities by analyzing a graph Understand how to compare two functions (i.e. rate of change, etc.) with the same representation (algebraically, graphically, numerically in tables or by verbal description)	<i>Taxonomy Level</i> COMPREHENSION (Integrating) ANALYSIS	3.0 ASSESSMENT ITEMS: <i>As a result of understanding or being skilled at the knowledge identified in 3.0, the learner is able to:</i> Describe the relationship between two quantities by analyzing a graph (i.e. as x increases, y decreases) Identify similarities and differences between two functions with the same representation.
2.0	<i>No major errors or gaps in the following FOUNDATIONAL, SIMPLE details and processes</i> Terms to Know: Increasing (positive slope), Decreasing (negative slope), Zero Slope, No Slope (undefined), qualitative	<i>Taxonomy Level</i> RETRIEVAL	2.0 ASSESSMENT ITEMS: <i>As a result of understanding or being skilled at the knowledge identified in 2.0, the learner is able to:</i> Define and give an example of the terms: increasing (positive slope), Decreasing (negative slope), Zero Slope, No Slope (undefined), qualitative
1.0	<i>With help.....has the 2.0 content</i>		N/A
0.0	<i>Even with help.....does not have the 2.0 content</i>		N/A

Different Levels in One Class. Example from a Math Class



Different Levels, Measurement Topics, and Learning Targets in One Class: Example for a Math Class



Senior Seminar and Capstone

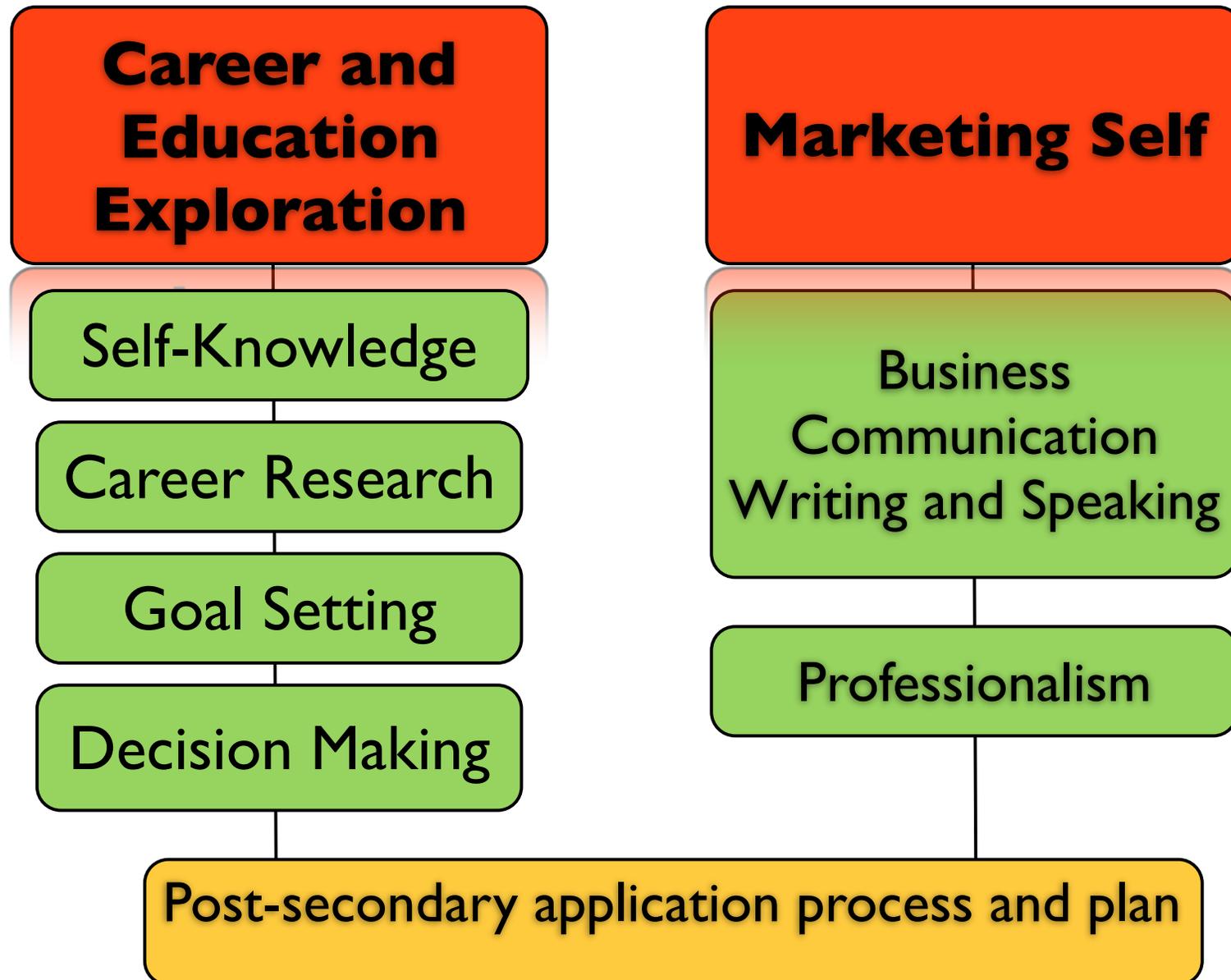
What Is Senior Seminar ?

Exposes, instructs, guides, and helps students with:

- Career Decision Making
- The process of Job and College Application.
- Financial Aid Literacy



How Does Senior Seminar Work?



Career and education Development: Senior Seminar

Strand: Marketing Self

Measurement Topic:

Business Communication

Learning Targets:

Listening and Speaking

“1. Understands the importance of interacting by listening and speaking to communicate **information about self**, by observing the elements of verbal and non-verbal communication. (Interview)”

Business Writing

“2. Understands how to write various forms of informative text to convey **information about self**, through the selection, organization and analysis of its content. (Resume, Cover letter, College Application Essay)”

Assessments from Learning

Targets:

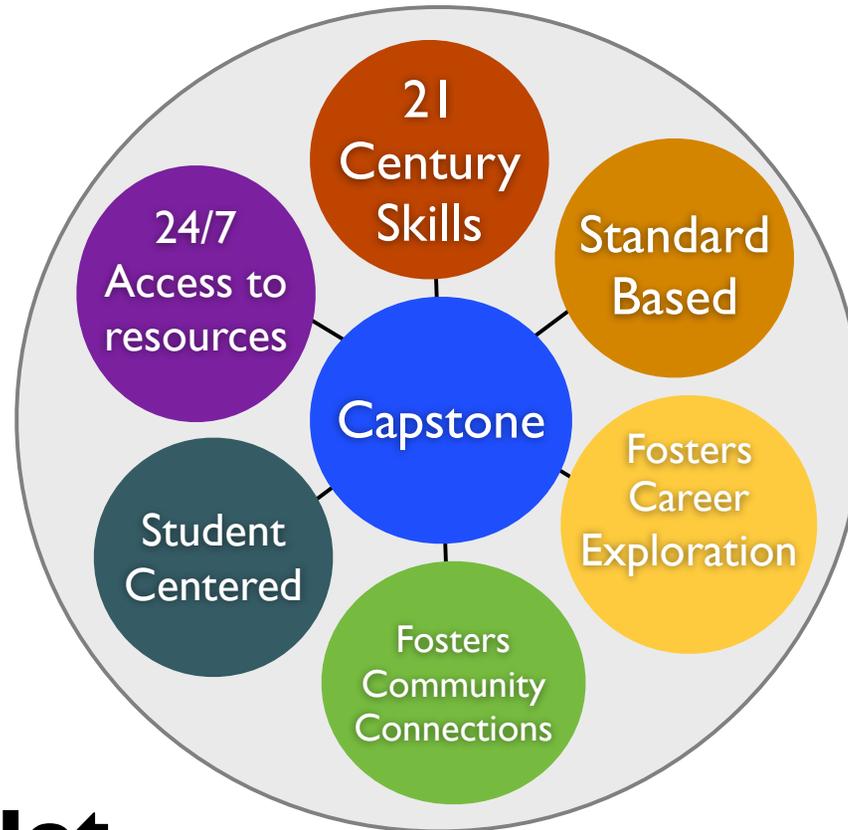
- Public Speaking - Organization of content
- Presentation
 - Delivery (Use of formal English and other tools)
 - Use of Digital Media
 - Use of non-verbal communication
- Business Writing
 - Resume
 - Cover letter
 - College Application Essay
- Listening and Speaking:
 - The Interview

Senior Seminar Final Products

- Resume
- Cover Letter
- College Application Essay
- Interview
- College or job application
- Financial Aid Literacy
- Career and Education Research and Post-secondary plan

What is Capstone?

Capstone Is:



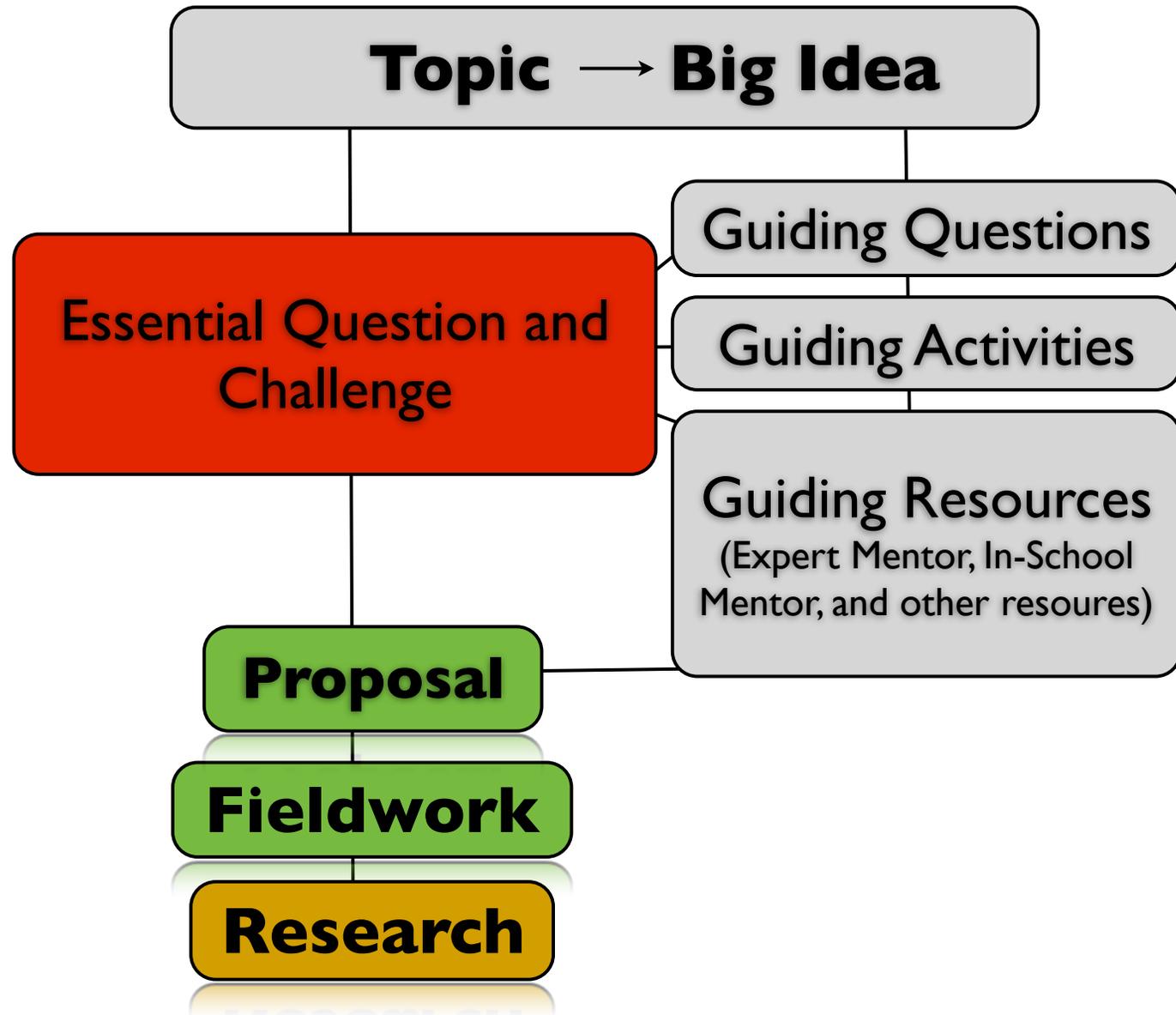
Capstone Is Not...

Community service; however, it fosters community involvement.

Some Testimonials



How does Capstone Work?



Capstone Standards, MTs, and LTs

Career and
Education
Exploration

Self-Knowledge

Goal Setting

Fieldwork

Marketing Self

Business
Communication

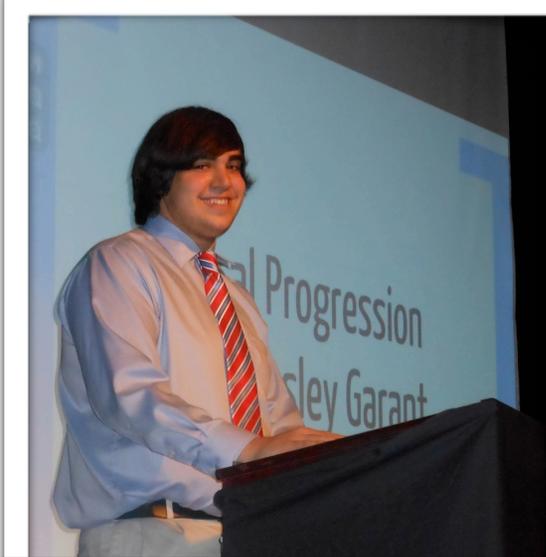
Professionalism

English

Research and
Research paper

Capstone Final Products

- Presentation
- Research Paper on Topic
- Fieldwork
- Portfolio
- Reflection Report
- Senior Exhibition Day



Senior Exhibition Day









Is 24/7 Available
(information and resources)

The Future of Senior Seminar and Capstone

- Integration of Junior Seminar (in Process)
- Integration of Sophomore and Freshmen Seminar
- Organization of a Mini-Capstone for 8th Grade (in Process)
- Implementation of the Project-Based model in other disciplines (In process)
- Meeting MTs from other disciplines (Piloting it this year)

**Let Learning be the
Constant
and
Time be the Variable**

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