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## Alternate Eligible Content: Across the Grades

Math and ELA/Reading



Pennsylvania Training and Technical Assistance Network

## Questions during the webinar

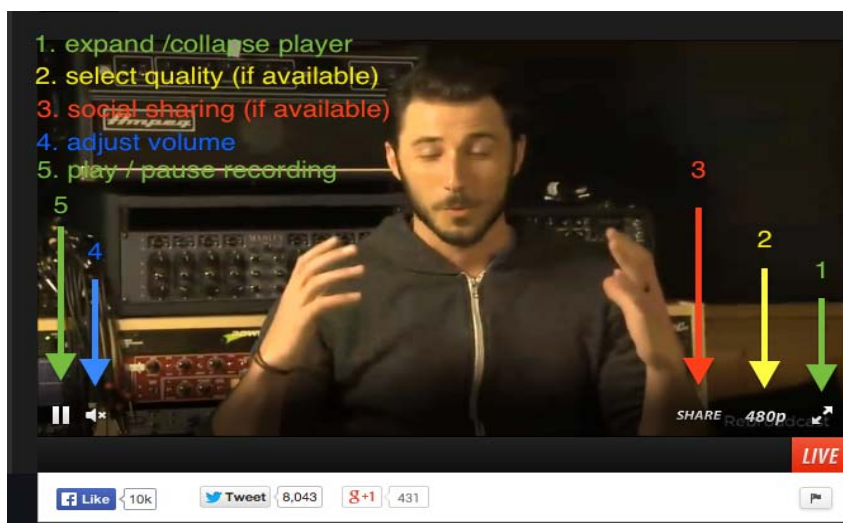
For Content :


- [AlternateAssessment@pattan.net](mailto:AlternateAssessment@pattan.net)
- Reference : 10/21/2015
- Questions and answers will be posted as an FAQ with the recorded webinar following this presentation

For Tech Support:


- [support@pattan.net](mailto:support@pattan.net)

## Technology Considerations





1. Click anywhere on the video area to un-hide the controls
2. Double-Click on the double arrow icon to Toggle fullscreen ON



Pennsylvania Training and Technical Assistance Network

## Learner Outcomes

### Participants will:

- Identify the connections of the alternate eligible content across the grades in Math and ELA
- Identify where changes do and do not occur
- Identify where to align targets for non-tested grades
- Identify how to connect learning in multi grade classrooms

## Alternate Eligible Content

### What it is

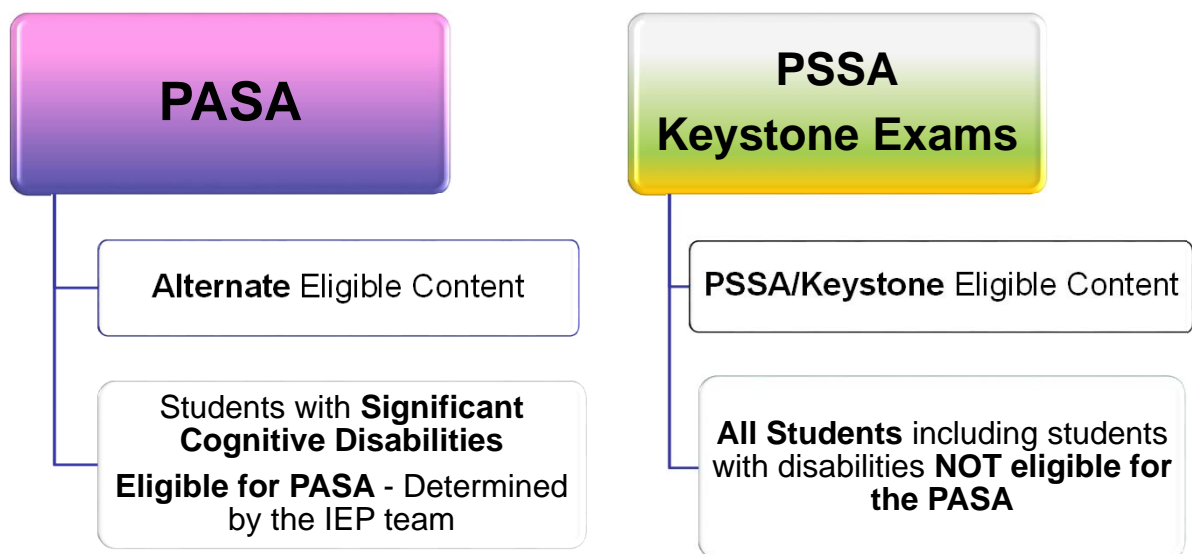
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- Academic content appropriate for students who are eligible for PASA (Pennsylvania Alternate System of Assessment)
- Aligns to grade-level PA Core Standards
- Modifies targets relative to the PSSA Eligible Content by reducing depth and breadth

## What it is

- Number of pieces of Alternate Eligible Content varies by grade and PA Core Standard
- NOT a one-to-one match for every PA Core Standard and/or every piece of PSSA Eligible Content
- Alternate Eligible Content represents the **highest** level of achievement for students taking PASA
- Content can be adjusted through essentialization\* to ensure appropriateness for the variety of students eligible for PASA

## Who it is for: Eligibility and Content PASA vs PSSA



## Today's Focus

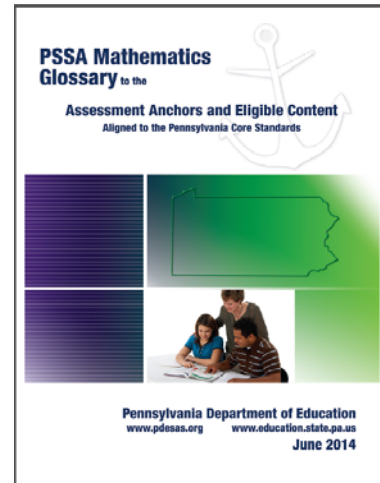
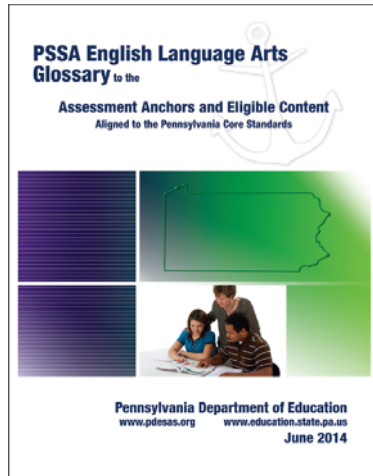
- Examining **Alternate Eligible Content** Across the Grades



## Instructional Benefits to an Across the Grades View

- Understand the content that comes before and after
- Understand the changes that occur
- Determine the essential vocabulary
- Understand the foundation of change that occur when the content appears the same
- Understanding the expectations for college, career and community ready

## Resources for Vocabulary and Content



## Non Tested Grades

- Grades K,1,2
- Grades 9,10,12

## Grades K-2

**pennsylvania**  
DEPARTMENT OF EDUCATION

**SAS** Standards Aligned System

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Standards | Assessment | Curriculum Framework | Instruction | Materials & Resources | Safe & Supportive Schools

View Standards | Vertical Viewer | Keyword Search | Browse Standards | Download PDFs | PA Core Standards

PA Core Implementation

PA Core Standards

PA Core Appendices

PA Core Curriculum Frameworks

PA Core Crosswalks

PA Core Resources

PA Core ELA Training Modules

PA Core Mathematics Training Modules

ELA Assessment Anchors and Eligible Content

Mathematics Assessment Anchors and Eligible Content

ELA Emphasis Guides

Mathematics Emphasis Guides and Cluster Matrices

**PA Core Standards**

PA Core - English Language Arts, Grades PreK-5

PA Core - English Language Arts, Grades 6-12

PA Core - Mathematics, Grades PreK-12

PA Core - Reading for Science and Technical Subjects 6-12

PA Core - Writing for Science and Technical Subjects 6-12

PA Core - Reading for History and Social Studies 6-12

PA Core - Writing for History and Social Studies 6-12

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## Grades K-2

### PENNSYLVANIA CORE STANDARDS English Language Arts Grade Pre K-5

1.2 Reading Informational Text Students read, understand, and respond to informational text—with an emphasis on comprehension, vocabulary acquisition, and making connections among ideas and between texts with a focus on textual evidence.							
	Grade Pre K	Grade K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Key Ideas and Details Main Idea	CC.1.2.PK.A With prompting and support, retell key details of text that support a provided main idea.	CC.1.2.K.A With prompting and support, identify the main idea and retell key details of text.	CC.1.2.1.A Identify the main idea and retell key details of text.	CC.1.2.2.A Identify the main idea of a multiparagraph text as well as the focus of specific paragraphs within the text.	CC.1.2.3.A Determine the main idea of a text; recount the key details and explain how they support the main idea.	CC.1.2.4.A Determine the main idea of a text and explain how it is supported by key details; summarize the text.	CC.1.2.5.A Determine two or more main ideas in a text and explain how they are supported by key details; summarize the text.
Key Ideas and Details Text Analysis	CC.1.2.PK.B Answer questions about a text.	CC.1.2.K.B With prompting and support, answer questions about key details in a text.	CC.1.2.1.B Ask and answer questions about key details in a text.	CC.1.2.2.B Ask and answer questions such as who, what, where, when, why, and how to demonstrate understanding of key details in a text.	CC.1.2.3.B Ask and answer questions about the text and make inferences from text; refer to text to support responses.	CC.1.2.4.B Refer to details and examples in text to support what the text says explicitly and make inferences.	CC.1.2.5.B Cite textual evidence by quoting accurately from the text to explain what the text says explicitly and make inferences.
Key Ideas and Details Text Analysis	CC.1.2.PK.C With prompting and support, make connections between information in a text and personal experiences.	CC.1.2.K.C With prompting and support, make a connection between two individuals, events, ideas, or pieces of information in a text.	CC.1.2.1.C Describe the connection between two individuals, events, ideas, or pieces of information in a text.	CC.1.2.2.C Describe the connection between a series of events, concepts, or steps in a procedure within a text.	CC.1.2.3.C Explain how a series of events, concepts, or steps in a procedure is connected within a text, using language that pertains to time, sequence, and cause/effect.	CC.1.2.4.C Explain events, procedures, ideas, or concepts in a text, including what happened and why, based on specific information in the text.	CC.1.2.5.C Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a text based on specific information in the text.
					E03.B-K.1.1.3	E04.B-K.1.1.3	E05.B-K.1.1.3



## Grades K-2

PA CORE STANDARDS Mathematics							
2.1 Numbers and Operations							
The Standards of Mathematical Practices							
Make sense of problems and persevere in solving them. Construct viable arguments and critique the reasoning of others. Use appropriate tools strategically. Look for and make use of structure.				Reason abstractly and quantitatively. Model with mathematics. Attend to precision. Look for and express regularity in repeated reasoning.			
Grade PreK 2.1.PreK	Grade K 2.1.K	Grade 1 2.1.1	Grade 2 2.1.2	Grade 3 2.1.3	Grade 4 2.1.4	Grade 5 2.1.5	
<i>Pennsylvania's public schools shall teach, challenge, and support every student to realize his or her maximum potential and to acquire the knowledge and skills needed to:</i>							
(A) Counting & Cardinality	CC.2.1.PreK.A.1 Know number names and the count sequence.	CC.2.1.K.A.1 Know number names and write and recite the count sequence.	Intentionally Blank	Intentionally Blank	Intentionally Blank	Intentionally Blank	Intentionally Blank
	CC.2.1.PreK.A.2 Count to tell the number of objects.	CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects.					
	CC.2.1.PreK.A.3 Compare numbers.	CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and quantities.					
(B) Numbers & Operations in Base Ten	Intentionally Blank	CC.2.1.K.B.1 Use place value to compose and decompose numbers within 10.	CC.2.1.1.B.1 Extend the counting sequence to read and write numerals to represent objects.	CC.2.1.2.B.1 Use place-value concepts to represent amounts of tens and ones and to compare three digit numbers.	CC.2.1.3.B.1 Apply place-value understanding and properties of operations to perform multi-digit arithmetic. M04A-T.1.1.1 M04A-T.1.1.2 M04A-T.1.1.3 M04A-T.1.1.4	CC.2.1.4.B.1 Apply place-value concepts to show an understanding of multi-digit whole numbers. M04A-T.1.1.1 M04A-T.1.1.2 M04A-T.1.1.3 M04A-T.1.1.4	CC.2.1.5.B.1 Apply place-value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals. M05A-T.1.1.1 M05A-T.1.1.2 M05A-T.1.1.3 M05A-T.1.1.4 M05A-T.1.1.5
		Intentionally Blank	CC.2.1.1.B.2 Use place-value concepts to represent amounts of tens and ones and to compare two digit numbers.	CC.2.1.2.B.2 Use place-value concepts to read, write, and skip count to 1000.	Intentionally Blank	CC.2.1.4.B.2 Use place-value understanding and properties of operations to perform multi-digit arithmetic. M04A-T.2.1.1 M04A-T.2.1.2 M04A-T.2.1.3 M04A-T.2.1.4	CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. M05A-T.2.1.1 M05A-T.2.1.2 M05A-T.2.1.3
			CC.2.1.1.B.3 Use place-value concepts and properties of operations to add and subtract within 100.	CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000.	Intentionally Blank	Intentionally Blank	Intentionally Blank

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## Grades 9,10 and 12



# Alternate Eligible Content Across the Grades

## ELA/Reading



Pennsylvania Training and Technical Assistance Network

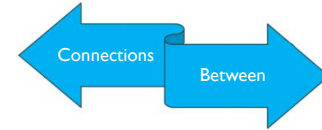
### Alternate Eligible Content

#### English Language Arts/Reading

- Literature
- Informational Text



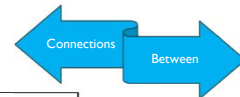
## ELA/Reading Big Ideas



### • Connections and Changes to:

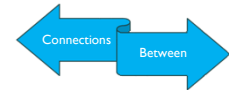
- Content occurring before and after a targeted grade level
- Text appropriateness and complexity of content across the grades
- Vocabulary and language expectations: connecting pieces of alternate eligible content
- Intent of learning for college, career and community readiness
- The content as it mirrors the subtle changes and alignment to the PA Core Standards

## Reading/ELA: Key Ideas and Details Literature



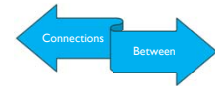
Literature across the Grades: Key Ideas and Details						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03AK1.1.1a Answer literal question about a text	E04AK1.1.1a Answer literal question about a text	E05AK1.1.1a Answer literal question about a text	E06AK1.1.1a Answer literal question about a text	E07AK1.1.1a Answer literal question about a text	E08AK1.1.1a Answer literal question about a text	CC1.3.1112Ba Answer literal question about a text
	E04AK1.1.1b Answer <i>inferential</i> question about a text	E05AK1.1.1b Answer inferential question about a text	E06AK1.1.1b Answer inferential question about a text	E07AK1.1.1b Answer inferential question about a text	E08AK1.1.1b Answer inferential question about a text	CC1.3.1112Bb Answer inferential question about a text
E03AK1.1.1b <i>Ask a question about the text</i>						
E03AK1.1.1c Identify details from the text to support answers to literal questions	E04AK1.1.1c Identify details from the text to support answers to <i>literal or inferential</i> questions	E05AK1.1.1c Identify details from the text to support answers to <i>literal and inferential</i> questions	E06AK1.1.1c Identify details <i>and evidence</i> from the text to answer literal and inferential questions	E07AK1.1.1c <i>Cite details and evidence</i> from the text to answer literal and inferential questions	E08AK1.1.1c <i>Cite the most important details and evidence</i> from the text to answer literal and inferential questions	CC1.3.1112Bc Cite the most important details and evidence from the text to answer literal and inferential questions <i>including conclusions or summaries of the plot</i>
		E05AK1.1.2c <i>Identify specific details in the text to compare between two characters, settings or events</i>				
E03AK1.1.2a Identify the central message of a text	E04AK1.1.2a Identify the <i>theme/central</i> message of a text	E05AK1.1.2a Identify the theme/central message of a story, drama, or poem <i>using key details/evidence</i> from the text	E06AK1.1.2a Identify the theme/central message of a story, drama, or poem using key details/evidence from the text	E07AK1.1.2a Identify the theme/central message of a story, drama, or poem using key details/evidence from the text	E08AK1.1.2a Identify the theme/central message of a story, drama, or poem using key details/evidence from the text	CC1.3.1112Aa <i>Identify two themes/central messages of a text</i> using key details/evidence from the text
E03AK1.1.2b Retell stories from literature, including literature from different cultures	E04AK1.1.2b <i>Summarize the text</i>	E05AK1.1.2b Summarize the text	E06AK1.1.2b Summarize the text	E07AK1.1.2b Summarize the text	E08AK1.1.2b Summarize the text	CC1.3.1112Ab Summarize the text
E03AK1.1.3a Identify characters and what they do during events in a story	E04AK1.1.3a <i>Identify details from the text to answer questions related to the characters, setting, or events</i>	E05AK1.1.3a <i>Identify how characters' actions contribute to the story</i>	E06AK1.1.3a <i>Identify how the elements of the plot of a story interact</i>	E07AK1.1.3a Identify how <i>two</i> elements of a story, drama or poem interact	E08AK1.1.3a Identify how <i>two or more</i> elements of a story, drama or poem interact	

## Reading/ELA: Key Ideas and Details Informational Text



Informational Text across the Grades: Key Ideas and Details						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03BK1.1.1a Answer a literal question about a text	E04BK1.1.1a Answer a literal question about a text	E05BK1.1.1a Answer a literal question about a text	E06BK1.1.1a Answer a literal question about a text	E07BK1.1.1a Answer a literal question about a text	E08BK1.1.1a Answer a literal question about a text	CC1.2.1112Ba Answer a literal question about a text
	E04BK1.1.1b <i>Answer an inferential question about a text</i>	E05BK1.1.1b Answer an inferential question about a text	E06BK1.1.1b Answer an inferential question about a text	E07BK1.1.1b Answer an inferential question about a text	E08BK1.1.1b Answer an inferential question about a text	CC1.2.1112Bb Answer an inferential question about a text
E03BK1.1.1b Identify details from the text to support answers to literal questions	E04BK1.1.1c Identify details from the text to support answers to literal <i>or inferential questions</i>	E05BK1.1.1c Identify details from the text to support answers to literal and inferential questions	E06BK1.1.1c Identify details and evidence from the text <i>to answer</i> literal and inferential questions	E07BK1.1.1c <i>Cite details and evidence</i> from the text to answer literal and inferential questions	E08BK1.1.1c <i>Cite the most important details and evidence</i> from the text to answer literal and inferential questions	CC1.2.1112Bc Cite the most important details <i>and evidence</i> from the text to answer literal and inferential questions, <i>including conclusions or summaries</i>
E03BK1.1.2a Identify the main idea/central idea of a text	E04BK1.1.2a Identify the main idea/central idea of a text	E05BK1.1.2b Identify the main idea/central idea <i>using key details/evidence from the text</i>	E06BK1.1.2a Identify the main idea/central idea using key details/evidence from the text	E07BK1.1.2a Identify <i>two</i> main ideas/central ideas in a text	E08BK1.1.2a Identify the main idea/central idea <i>using 2 or more key details/evidence from the text</i>	CC1.2.1112Aa Identify <i>two</i> main ideas/central ideas using key details/evidence from the text
E03BK1.1.2b Retell key ideas from the text	E04BK1.1.2b <i>Summarize the text</i>	E05BK1.1.2b Summarize the text	E06BK1.1.2b Summarize the text	E07BK1.1.2b Summarize the text	E08BK1.1.2b Summarize the text	CC1.3.1112Ab Summarize the text
E03BK1.1.3a Identify a connection between two events or steps in the text	E04BK1.1.3a <i>Identify details from the text to answer questions about events, procedures, ideas, steps or concepts</i>	E05BK1.1.3a <i>Identify the relationship between two individuals, events, procedures, ideas, steps or concepts in the text</i>	E06BK1.1.3a <i>Identify how an individual's action or an event or idea contribute to the text</i>	E07BK1.1.3a <i>Identify two interactions between individuals, events, or ideas that contribute to the text</i>	E08BK1.1.3a <i>Identify two or more interactions between individuals, events, or ideas that contribute to the text</i>	CC1.2.1112Ca Identify <i>why</i> interactions occurred between two individuals, events, or ideas in the text
						CC1.2.1112Ia <i>Identify main ideas/central ideas and concepts in U.S. documents of historical or</i>

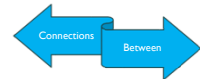
## Reading/ELA: Craft and Structure Literature



Literature across the Grades: Craft and Structure						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03AC2.1.1a Identify who is telling the story	E04AC2.1.1a Identify <i>who told the story in two different texts</i>	E05AC2.1.1a Identify <i>the narrator's point-of-view</i>	E06AC2.1.1a Identify <i>how the narrator's point-of-view affects the story</i>	E07AC2.1.1a Determine the <i>points-of-view of two or more characters in text</i>	E08AC2.1.1a Determine the points-of-view of two or more characters <i>or narrators in text</i>	
		E05AC2.1.1b <i>Describe the author's purpose (entertain, inform or persuade) in text</i>			E08AC2.1.1b Determine <i>how the characters in the story make the reader respond</i>	
			E06AC2.1.3a Identify the meaning of a word or phrase in context and how it makes the reader feel	E07AC2.1.3a Determine <i>how word choice changes the meaning of a text</i>	E08AC2.1.3a <i>Identify the impact of word choice on the meaning in a text</i>	CC1.3.1112Fa Identify the impact of word choice on meaning in a text



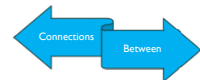
## Reading/ELA: Craft and Structure Informational Text



Informational Text across the Grades: Craft and Structure						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03BC2.1.1a Identify one point-of-view in the text	E04BC2.1.1a Identify <i>two points-of-view about one event or topic</i> in text	E05BC2.1.1a Identify <i>similarities or differences in 2 points-of-view</i> about one event or topic in a text	E06BC2.1.1a Identify information within the text to <i>determine the author's point of view</i>	E07BC2.1.1a Identify the author's point of view <i>and an alternate point of view</i> of an informational text	E08BC2.1.1a Identify <i>a difference</i> in the author's point of view and an alternate point-of-view in a text	CC1.2.1112Da Identify the author's point of view in an informational text and give <i>one or more examples to illustrate this view</i>
E03BC2.1.2a Identify information located in text features	E04BC2.1.2a Identify <i>the text structure or text features</i> in a text	E05BC2.1.2a Use <i>text structure or text features</i> to identify events, ideas, and concepts in a text	E06BC2.1.2a Identify <i>how a text feature or section fit into the text structure</i>	E07BC2.1.2a Identify how text features or sections fit into the text structure		
					E08BC2.1.2a Identify <i>the structure of a paragraph</i>	
			E06BC2.1.3a Determine how word choice changes the meaning in a text	E07BC2.1.3a Determine how word choice changes the meaning in a text	E08BC2.1.3a Determine how word choice changes the meaning of a text	CC1.2.1112Fa Determine the <i>specific language/words that the author uses to contribute to the persuasiveness of the text</i>

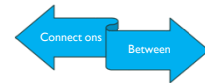



## Reading/ELA: Integration of Knowledge and Ideas Literature



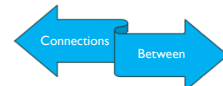
Literature across the Grades: Integration of Knowledge and Ideas						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03AC3.1.1a Identify similarities or differences between 2 pieces of text by the same author	E04AC3.1.1a Identify similarities or differences between 2 pieces of text <i>about one topic</i>	E05AC3.1.1a Identify similarities or differences in two texts <i>in the same genre</i>	E06AC3.1.1a Identify similarities or differences in two texts in <i>different</i> genres	E07AC3.1.1a Identify similarities or differences <i>in a fictional portrayal and a historical account of the same period</i>	E08AC3.1.1a Identify similarities or differences <i>in a modern work of fiction and a traditional story</i>	CC1.3.1112Ga Identify similarities or differences <i>in a multi-media version or other interpretation of a story and the written story</i>


## Reading/ELA: *Integration of Knowledge and Ideas* Informational Text



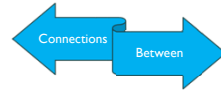
Informational Text across the Grades: Integration of Knowledge and Ideas						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03BC3.1.1a Identify evidence that supports a connection between two points in the text	E04BC3.1.1a Identify a piece of evidence <i>that an author uses to support a specific point</i> in the text	E05BC3.1.1a Identify evidence that supports an author's point in the text	E06BC3.1.1a Identify an <i>argument or claim</i> that the author makes	E07BC3.1.1a Identify an argument or claim that the author makes	E08BC3.1.1a Identify an argument or claim that the author makes	CC1.2.1112Ea Identify an argument or claim <i>in a text</i>
			E06BC3.1.1b <i>Determine if evidence is fact or opinion</i>	E07BC3.1.1b Identify the <i>evidence that supports</i> the claim or argument	E08BC3.1.1b Identify the evidence that <i>does or does not support</i> the claim or argument	CC1.2.1112Eb Identify the evidence that does or does not support the claim or argument
E03BC3.1.2a Identify similarities or differences between 2 pieces of text on the same topic	E04BC3.1.2a <i>Combine information</i> from 2 pieces of text on the same topic	E05BC3.1.2a Combine information from 2 <i>or more</i> pieces of text on the same topic	E06BC3.1.2a Identify similarities or differences in two texts <i>by different authors</i> about the same topic	E07BC3.1.2a Identify similarities or differences <i>with details selected</i> in two texts by different authors about the same topic	E08BC3.1.2a <i>Identify conflicting information</i> presented in two texts about the same topic	 CC1.2.1112.La <i>Read and answer a question about informational material (e.g., schedules, maps, manuals)</i>


## Reading/ELA: *Vocabulary Acquisition and Use* Literature



Literature across the Grades: Vocabulary Acquisition and Use						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03AV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E04AV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E05AV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E06AV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E07AV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E08AV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	CC1.3.1112Ia Use context to determine the meaning of an unknown or multiple meaning word
E03AV4.1.1b Use root word or affix to determine the meaning of a word	E04AV4.1.1b Use root word or affix to determine the meaning of a word	E05AV4.1.1b Use root word or affix to determine the meaning of a word	E06AV4.1.1b Use root word or affix to determine the meaning of a word	E07AV4.1.1b Use root word or affix to determine the meaning of a word	E08AV4.1.1b Use root word or affix to determine the meaning of a word	CC1.3.1112Ib Use root word or affix to determine the meaning of a word
E03AV4.1.2a Identify the literal and nonliteral meaning of a word or phrase	E04AV4.1.2a Identify <i>the nonliteral meaning</i> of words or phrases	E05AV4.1.2a <i>Identify the meaning of figurative language in context</i>	E06AV4.1.2a Identify the meaning of figurative language in context	E07AV4.1.2a Identify the meaning of figurative language in context	E08AV4.1.2a Identify the meaning of figurative language in context	 CC1.3.1112Ja <i>Identify the meaning of a general academic and career-related word/phrase</i>
E03AV4.1.2b Use relationships between words to aid comprehension	E04AV4.1.2b Use relationships between words to aid comprehension	E05AV4.1.2b Use relationships between words to aid comprehension	E06AV4.1.2b Use relationships between words to aid comprehension	E07AV4.1.2b Use relationships between words to aid comprehension	E08AV4.1.2b Use relationships between words to aid comprehension	

## Reading/ELA: Vocabulary Acquisition and Use Informational Text



Informational Text across the Grades: Vocabulary Acquisition and Use						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
E03BV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E04BV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E05BV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E06BV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E07BV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	E08BV4.1.1a Use context to determine the meaning of an unknown or multiple meaning word	CC1.2.1112Ka Use context to determine the meaning of an unknown or multiple meaning word
E03BV4.1.1b Use root word and affixes to determine the meaning of a word	E04BV4.1.1b Use root word <i>or</i> affix to determine the meaning of a word	E05BV4.1.1b Use root word or affix to determine the meaning of a word	E06BV4.1.1b Use root word or affix to determine the meaning of a word	E07BV4.1.1b Use root word or affix to determine the meaning of a word	E08BV4.1.1b Use root word or affix to determine the meaning of a word	CC1.2.2112Kb Use root word or affix to determine the meaning of a word
E03BV4.1.2a Identify the literal and nonliteral meaning of a word or phrase	E04BV4.1.2a Identify the <i>nonliteral</i> meaning of a word or phrase	E05BV4.1.2a Identify meaning of <i>figurative language in context of nonfiction</i>	E06BV4.1.2a Identify meaning of figurative language in context of nonfiction	E07BV4.1.2a Identify meaning of figurative language in context of nonfiction	E08BV4.1.2a Identify meaning of figurative language in context of nonfiction	
E03BV4.1.2b Use relationships between words to aid comprehension	E04BV4.1.2b Use relationships between words to aid comprehension	E05BV4.1.2b Use relationships between words to aid comprehension	E06BV4.1.2b Use relationships between words to aid comprehension	E07BV4.1.2b Use relationships between words to aid comprehension	E08BV4.1.2b Use relationships between words to aid comprehension	CC1.2.1112Kc Use relationships between words to aid comprehension
						CC1.2.1112Ja <i>Determine the meaning of a general academic and domain-specific word or phrase related to a text</i>

## Alternate Eligible Content Across the Grades

### Math

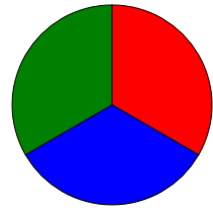


Pennsylvania Training and Technical Assistance Network

## Alternate Eligible Content

### Math

- Numbers and Operations
- Algebra
- Geometry
- Measurement and Data Analysis



## Math Big Ideas




- Connected Uniquely:
  - Between different strands
  - As web-like instead of linear
  - Because digits can be the most abstract and complex form of math
  - Through vocabulary and language
  - Through knowing conceptual understanding is most important
  - As the content mirrors the alignment to the PA Core Standards



## Numbers and Operations: Number Sets Single Numbers



Number Sets – Single Numbers						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03AT1.1.1a Round a two-digit number to the nearest ten		M05AT1.1.5a Round a decimal from the tenths place to the nearest whole number				
	M04AT1.1.1a Model relationships between adjacent digits in a multi-digit whole number	M05AT1.1.1a Identify place value in a 3-digit number using models				
M03AT1.1.4a Order 3 numbers under 10	M04AT1.1.3a Compare to determine if a value is greater than, less than, or equal to another value	M05AT1.1.4a Compare two numbers up to the hundredths place				
			M06AN3.1.1a Identify a specific integer in a real-world context		M08BE1.1.2a Identify the meaning of an exponent (limited to exponents of 2 and 3)	
	M04AF3.1.2a Identify equivalent values in decimal or fraction form (limited to denominator of 10)		M06AR1.1.2a Identify the ratio that matches a given statement and/or representation			

## Numbers and Operations: Fractions Single Numbers



Fractions – Single Numbers						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03CG1.1.3a Partition a rectangle into parts with equal areas						
M03AF1.1.1a Identify the unit fraction or other proper fraction (denominators = 2, 3, 4, 6) that matches the representation	M04AF.2.1.2a Decompose a proper fraction into multiple copies of a unit fraction (denominators limited to 3, 4, or 8)					
M03AF1.1.3b Identify equivalent fractions using representations	M04AF1.1.1a Identify equivalent fractions					
	M04AF1.1.2a Compare two fractions with like denominators					
	M04AF.2.1.1a Add or subtract fractions with common denominators (denominators limited to 2, 3, 4, or 8)		M06AR1.1.5a Calculate a percent of a quantity as a rate per 100		M08AN1.1.2a Convert a fraction to a decimal up to the hundredths place	CC.2.1.HSF2a Convert between fractions and decimals in a real-world problem
			M06AR1.1.4a Solve a 1-step real-world problem given the unit rate	M07AR1.1.1a Find the unit rate in a real-world problem		

## Numbers and Operations: Operations with Two Numbers



Operations with 2 Numbers						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03AT1.1.2a Demonstrate understanding of addition with small sets	M04AT2.1.1a Add or subtract whole numbers with sums and differences <1000	M05AT2.1.3a Add or subtract decimals to the tenths place	M06AN2.1.1a Solve a problem using up to 3-digit whole numbers and any of the four operations	M07AN1.1.1a Solve a 1-step addition or subtraction problem with fractions, decimals, or positive/negative integers	This is intentionally left blank because the grade level standards no longer focus on performing operation on only two digits for the purpose of understanding the operation. Operations are applied through the use of expression, equations, functions, data, and other grade level content.	
M03AT1.1.2b Demonstrate understanding subtraction with small sets						
	M04AT2.1.4a Assess the plausibility of results from addition or subtraction			M07BE2.3.1a Identify a reasonable solution in the context of a problem using the four basic operations and numbers under 20		
M03BO1.1.1a Use a model in a multiplication situation	M04AT2.1.2a Demonstrate understanding of multiplication or division with small sets	M05AT2.1.1a Multiply single-digit whole numbers		M07AN1.1.3a Solve a multiplication or division problem with positive/negative rational numbers		
		M05AF.2.1.2.a Multiply a fraction by a whole number less than 10				

## Numbers and Operations: Application of Operations with Two Numbers



Application of Operations with 2 Numbers						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03BO3.1.1a Solve a 1-step real-world problem involving numbers under 10 using addition or subtraction	M04BO1.1.3a Solve a real-world problem with one or more steps using addition or subtraction	M05AF1.1.1a Add or subtract proper fractions with common denominators to solve a real-world problem			This is intentionally left blank because the grade level standards no longer focus on performing operation on only two digits for the purpose of understanding the operation. Operations are applied through the use of expression, equations, functions, data, and other grade level content.	
	M04BO1.1.2a Use a model to solve a real-world multiplication problem			M07AR1.1.6a Use percentages to solve a real-world problem		
		M05AT2.1.2a Illustrate the concept of division using fair and equal shares				

## Algebra: Number Patterns



Number Patterns						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03BO3.1.5a Identify a mathematical pattern in a real-world problem				<p>This is intentionally left blank because the grade level standards shift from numerical patterns to expressions, equations, and functions.</p>		
M03BO3.1.5b Identify the 3 next terms in a mathematical pattern (increasing by 2, 5 or 10)	M04BO3.1.1a Extend a pattern when shown a model and told the rule	M05BO2.1.1a Identify and extend numeric patterns	M06AN2.2.1a Identify multiples for numbers 5, 10, 25, or 100			
		M05BO2.1.1b Generate a pattern that follows 1 or more rules provided				
	M04BO2.1.1a Identify the multiples of 5 to 100 and 10 to 100 (e.g., count money)	M05AT1.1.2a Identify a pattern and change in place value when a number up to 99 is multiplied by powers of 10				

## Algebra: Expressions, Equations, Functions



Expressions, Equations, and Functions						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
<p>This is intentionally left blank because the grade level standards establish these early concepts/procedures through the idea of numerical patterns.</p>			M06BE2.1.2a Select an algebraic expression involving addition or subtraction of whole numbers to solve a 1-step real-world problem	M07BE2.2.1a Select an algebraic expression (equations or inequalities) using addition or subtraction of fractions, decimals, or positive/negative integers to solve a 1-step real-world problem	M08BE3.1.1a Select an algebraic equation using addition or subtraction to solve a 2-step real-world problem with one variable	CC.2.2.HSD7a Translate a real-world problem into a one-variable equation
			M06BE2.1.3a Use a 1-step algebraic expression to solve a real-world problem involving addition or subtraction of whole numbers		M08BE3.1.2a Solve a 2-step real-world problem using an algebraic equation involving addition or subtraction and one variable	CC.2.2.HSD8a Solve a linear equation to find a missing attribute when determining area or volume
						CC.2.2.HSD9a Order a given sequence of steps to solve an equation
			M06BE3.1.1a Identify the relationship between two variables in an equation			CC.2.4.HSB3a Identify the relationship between two or more variables in a function
						CC.2.2.HSC5a Interpret the effect of a change in one variable on the other variable using graphs or tables

## Geometry

### Geometric Figures






Geometric Figures						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03CG1.1.1a Identify similarities between two polygons	M04CG1.1.2a Classify two-dimensional shapes based on attributes  M04CG1.1.3a Recognize a line of symmetry in a two-dimensional figure	M05CG2.1.1a Identify a two-dimensional figure with specific attributes	M06CG1.1.5a Classify three-dimensional figures	M07CG1.1.4a Identify a three-dimensional figure with specific attributes	M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three-dimensional figure	CC.2.3.HSA13a Match corresponding two-dimensional and three-dimensional representations
M03DM3.1.2a Measure the area of a rectangle by counting squares, tiling, or addition	M04DM1.1.3a Identify the area or perimeter of a rectangle	M05DM3.1.2a Find volume by using filling or multiplication	M06CG1.1.3a Solve a real-world problem involving volume using unit cubes or multiplication  M06CG1.1.1a Find the area of a quadrilateral given the dimensions	M07CG2.2.2a Find the area or volume of a two- or three-dimensional object given the formula	M08CG.3.1.1a Complete the formula for volume to solve a real-world or mathematical problem	CC.2.3.HSA14a Compare the area of two objects with one equivalent attribute
M03DM4.1.1a Find the perimeter of a rectangle				M07CG1.1.2a Identify the properties of a right triangle	M08CG2.1.2a Apply the Pythagorean theorem to determine length/distance in a real-world problem	
				M07CG2.1.1a Use angle relationships to find the missing angle	M08CG1.1.2a Identify figures that are congruent/similar	

## Measurement, Data and Statistics

### Measurement



Measurement						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03DM1.1.1a Tell time to the hour or half hour on a clock						
M03DM1.2.1a Identify and use the appropriate measurement tool based on the situation	M04DM1.1.1a Identify the appropriate unit of measurement in a real-world problem	M05DM1.1.1a Use a conversion table to identify equivalent standard measurements of length or mass		M07CG1.1.1a Solve a 1-step real-world problem related to scaling		CC.2.1.HSF3a Identify and interpret scale in a real-world problem
M03DM1.2.3a Use a ruler and measure to the nearest inch (exact measurement)						
M03DM1.3.1a Count money using coins or one-dollar bills						
						CC.2.1.HSF4a Determine the necessary units and solve a real-world problem
			M06DS1.1.2a Identify measures of central tendency (mean, median, mode)	M07DS2.1.1b Use measures of central tendency to interpret data, including overall patterns in the data		CC.2.4.HSB2a Interpret the means and/or medians of two sets of data
				M07DS3.1.1a Identify the probability of events occurring as possible/impossible or likely/unlikely		CC.2.4.HSB7a Identify the probability of events based on real-world examples of conditional probability

## Measurement, Data and Statistics

### Building Data Displays



Building Data Displays						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
M03DM2.1.1a Add information to a pictograph, line plot, or bar graph	M04DM2.1.1a Organize data into a pictograph, line plot, or bar graph	M05CG1.1.1a Identify an ordered pair (x,y) in quadrant I  M05CG1.1.2a Graph an ordered pair (x,y) in quadrant I	M06AN3.2.3a Identify points in all four quadrants of the coordinate plane	M07AR1.1.3a Represent a proportional relationship on a line graph	M08BE3.1.5a Graph a linear equation  M08BE2.1.3a Identify the slope and y-intercept of a line on a graph	CC.2.2.HSC1a Determine the missing coordinates in a table of values containing at least 2 complete ordered pairs
			M06AN3.1.3a Locate positive and negative numbers on the number line	M07AN1.1.2a Identify the difference between two numbers on the number line	M08AN1.1.5a Locate a non-terminating decimal at its approximate location on the number line	
			M06AN3.1.2a Identify the opposite of a number on the number line			

## Measurement, Data and Statistics

### Using Data Displays



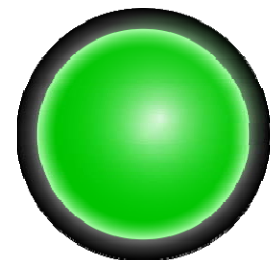
Using Data Displays						
Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
	M04DM2.1.2a Answer a question about data in a pictograph, line plot, or bar graph	M05DM2.1.2a Interpret one set of data given in 2 different displays	M06DS1.1.3a Compare points in a line plot, histogram, or on a number line	M07DS2.1.1a Compare two sets of data within a single pictograph, line plot, or bar graph	M08BE2.1.1a Compare two proportional relationships shown in graph form	CC.2.2.HSC5b Interpret a graphical representation of a linear model in a real-world problem
				M07AR1.1.5a Interpret an ordered pair in a real-world problem	M08BF2.1.1a Determine the missing value in a graph showing a real-world linear relationship	
					M08BF2.1.2a Describe the relationship between two variables with a linear relationship displayed in graph form	
					M08DS1.1.2a Identify a statement that describes the relationship between variables displayed in a scatterplot	
					M08DS1.2.1a Answer a question using data from a two-way table	CC.2.4.HSB5a Draw a conclusion about data presented in a two-way table representing a real-world problem

### **Upcoming Webinars Fall/Winter 2015-2016**

- November 17, 2015 3:30pm-4:30pm: **Alternate Eligible Content: Sample Essentialization: ELA/Reading**
- December 16, 2016 3:30pm-4:30pm: **Alternate Eligible Content- Sample Essentialization: Math**
- January 20, 2016 3:30pm-4:30pm: **Alternate Eligible Content: Defining Expectations and Intent**

### **Communication: The Most Up to Date Information and Volunteer Opportunities**

- Listserv for teachers administering the PASA and others
- Opportunities to participate with design of instructional resources to support the Alternate Eligible Content
- **Sign up on PaTTAN website under Students with Significant Cognitive Disabilities - Listserv/Volunteer**



## **Learner Outcomes**

Participants will:

- Identify the connections of the alternate eligible content across the grades in Math and ELA
- Identify where changes do and do not occur
- Identify where to align targets for non-tested grades
- Identify how to connect learning in multi grade classrooms

## **Objectives**

Participants will:

- Identify the Alternate Eligible Content within and across grades
- Define Essentialization
- Identify updates with the 2016 PASA

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Tom Wolf, Governor