







What it is

- 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

















Essentialization: Generating Meaningful Targets Instructional targets should be written at different levels of complexity to reflect: Challenge Meaningfulness Alignment An INCREASE of performance from a student's CURRENT level of performance









							G	eometric Figu	res		
					Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
Math Ac	cross the	Grades			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	M05CG2.1.1a identify a hro- dimensional figure with specific attributes	M06CG1.1.5a Classify Bree- dimensional figures	M07CG1.1.4a identity a three- dimensional figure with specific attributes	M08CG1.1.1a Identify a rotation, reflection, or translation of a hno- or three- dimensional figure	CC.2.3 HSA13a Match corresponding two-dimensional and three- dimensional representations
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Ceome					M03DM3.1.2a Measure the area of a rectangle by counting squares, tiling, or addition M03DM4.1.1a Find the perimeter of a rectangle	MO4DM1.1.3a 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	M00CG.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
									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	M00CG1.1.2a Identify figures that are congruent/similar	
		G	eometric Figu	res							
Grade 3	Grade 4	Grade 5	Grade 6	Grad	le 7		Grad	e 8		Grade	11
M03CG1.1.1a Identify similarities between two polygons	M04CG1.1.2a Classify two- dimensional shapes based on attributes	M05CG2.1.1a M06CG1.1.5a M07CG1.1.4a M08 Identify a two- dimensional figure with specific M06CG1.1.5a Identify a three- dimensional figure with specific Identify a three- dimensional figure with specific Identify a three- dimensional figure with specific Identify a three- dimensional figure with Identify a three- dimensional figure with Identify a three- dimensional figure with Identify a three- dimensional figure with				8CG1. entify a ation, lection, nslatio	1.1a or nofa	CC Ma con two and	.2.3.HS tch respon -dimen I three-	SA13a ding isional	
	M04CG1.1.3a Recognize a line of symmetry in a two-dimensional figure	attributes		attributes	6	din fig	o- or th nensio ure	ree- 1al	rep	iension resenta	ations

Vocabulary/Language Considerations Across the Grades

- Polygon
- Attribute
- Two dimensional figure
- Three dimensional figure
- Rotation
- Reflection
- Translation
- Corresponding

Essentialization: Grade 5 Math

M05CG2.1.1a Identify a two-dimensional figure with specific attributes









Essentialization: Grade 5 Math	M05CG2.1.1a Identify a two-dimensional figure with specific attributes
Step 4: Determine targets based on studen	t's instructional level
Most Complex Identify a two-dimensional figure with sp compare multiple attributes, some attributes Middle Complexity Identify a two-dimensional figure with sp comparison of dissimilar choices Least Complex Identify a two-dimensional figure with sp attribute recognition.	ecific attributes – utes the same. ecific attributes – by ecific attributes – basic

Most Complex

Identify a two-dimensional figure with specific attributes – compare multiple attributes, some attributes the same.

M05CG2.1.1a Identify a two-dimensional figure with specific attributes

Sample student data that might lead to determining the target:

- Identifies simple two-dimensional figures
- Counts to 4 with one-to-one correspondence
- Demonstrates understanding of concepts of same and different
- Recognizes a line of symmetry in a two-dimensional figure
- · Sorts two-dimensional figures based on similarities

Most Complex

M05CG2.1.1a Identify a two-dimensional figure with specific attributes

Identify a two-dimensional figure with specific attributes – compare multiple attributes, some attributes the same.

- Teach specific attributes of two-dimensional figures such as sides and/or angles (points where lines connect)
- Use two-dimensional figures that are familiar to/mastered by the student
- Teach the student to draw the two-dimensional figure with a verbal cue after they have demonstrated mastery of identifying it with the visual present. (model first, cue in to the attributes)
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



Middle complexity

Identify a two-dimensional figure with specific attributes – by comparison of dissimilar choice

Sample student data that might lead to determining the target:

- Identifies simple two-dimensional figures when the figure is present
- Matches two-dimensional figures
- Sorts two-dimensional figures with distinct differences
- Demonstrates understanding of concept of different when differences are very distinct

Essentialization: Grade 5 Math

E03AC2.1.1a Identify who is telling the story

M05CG2.1.1a Identify a two-dimensional figure with specific attributes

Middle Complex

Identify a two-dimensional figure with specific attributes – by comparison of dissimilar choice

- Teach specific two-dimensional figure attributes such as sides
- Use two-dimensional figures that are familiar/mastered by the student
- Have the student trace a two-dimensional figure with a verbal cue after they have demonstrated mastery of identifying it with the visual present. (model first, cue in to the attributes)
- · Have students overlay/match figures that are similar
- Create a T-chart and have students sort figures that have similar/dissimilar attributes
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



<section-header> Essentialization: Grade 5 Math Least complex Identify a two-dimensional figure with specific attributes – basic attribute cognition Sample student data that might lead to determining the target: Matches simple two-dimensional shapes with visual cue (template) and other conditions such a color Imitates matching two-dimensional shapes Emerging imitation skills

E03AC2.1.1a Identify who is telling the story

Least Complex

Identify a two-dimensional figure with specific attributes – basic attribute recognition

- Explicitly teach specific two-dimensional figure attributes such as straight/round
- Explicitly teach the vocabulary of the attributes considering core familiar words
- Have the student finger trace with/without support a two-dimensional figure using raised texture to support attention to the attribute is sides, round (model first, cue in to the attributes)
- Have students overlay/match figures that are similar
- Create a physical area to use as students sort two-dimensional shapes (acknowledge attributes)
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



							G	eometric Figu	res			
Math Across the Grades Geometry Grade 7			Grade 3 M03CG1.1.1a Identify similarities between two polygons	Grade 4 M04CG1.12a Classify http: dimensional shapes based on athibutes M04CG1.13a Recognize a line of summetry in a	Grade S M05C02.1.1a Identify a two- dimensional Spure with specific attributes	Grade 6 M06CG1.1.5a Classify Bree- dimensional figures	Grade 7 M07CG1.1.4a kienity a three- dimensional figure with specific athibutes	Grade 8 M09CG1.1.1a Identify a rotation, or translation of a bino- or three- dimensional Spure	Grade 11 CC.2.3.HSA13a Match corresponding bio-dimensional and three- dimensional representations			
					M03DM3.1.2a Measure the area of a rectangle by counting squares, tiling, or addition M03DM4.1.1a Find the perimeter of a rectangle	hoo-dimensional figure M040M1.1.3a Identify the area or perimeter of a rectangle	M05DM3.1.2a Find volume by using filling or multiplication	M06C01.1.3a Solve a real- world problem involving volume using unit cubes or multiplication M06C01.1.1a 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	M09CG.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	
									M07CG1.1.2a Identify the properties of a right triangle M07CG2.1.1a Use angle relationships to	M00CG2.1.2a Apply the Pythagorean theorem to determine length/distance in a real-world problem M00CG1.1.2a identify figures that are		
Grade 3	Grade 4	Grade 5	eometric Figur	r es Gra	de 7		Grad	le 8		Grade	11	
M03CG1.1.1a Identify similarities between two polygons	M04CG1.1.2a Classify two- dimensional shapes based on attributes	M05CG2.1.1a Identify a two- dimensional figure with specific	M06CG1.1.5a Classify three- dimensional figures	M07CG Identify dimensi figure w specific	M07CG1.1.4a Identify a three- dimensional figure with specific		M08CG1.1.1a Identify a rotation, reflection, or translation of a			CC.2.3.HSA13 Match corresponding two-dimension and three-		
	M04CG1.1.3a Recognize a line of symmetry in a two-dimensional figure	attributes		attribute	s	two din fig	o- or th nensio ure	ree- nal	rep	resenta	ations	

M07CG1.1.4a Identify a three-dimensional figure with specific attributes



n 2. Detern	nine the intent		
PA Core Standards:	PA Reporting Category: M07.C-	G Geometry	
<u>CC.2.3.7.A.2 Visualize</u> and rep Assessment Anchor M07.C-G.1 Demonstrate an ur	present geometric figures and describe the relation	nships between the	əm.
DESCRIPTOR	ELIGIBLE CONTENT	Alternate Eligible	DRAFT ALTERNATE ELIGIBLE CONTENT
M07.C-G.1.1 Describe and apply properties of geometric figures.	M07.C-G.1.1.1 Solve problems involving scale drawings of geometric figures, including finding length and area.	M07CG1.1.1a	Solve a 1-step real-world problem related to scaling
	M07.C-G.1.1.2 Identify or describe the properties of all types of triangles based on angle and side measures.	M07CG1.1.2a	Identify the properties of a right triangle
	M07.C-G.1.1.3		
	M07.C.G.1.1.4 M07.C.G.1.1.4 Describe the two-dimensional figures that result from slicing three-dimensional figures. Example: Describe plane sections of right rectangular prisms and right rectangular pyramids.	M07CG1.1.4a	Identify a three-dimensional figure with specific attributes





Step 3: Whether or not to essentialize (reduce complexity further) M07CG1.1.4a Identify a three-dimensional figure with specific attributes Questions about student data:

- What is the input of receptive language and modes of expressive language?
- Do they demonstrate imitation skills?
- What is the familiar, frequent vocabulary of the student?
- Do they interact with three-dimensional figures?
- Which three-dimensional figures?
- Can they recognize three-dimensional figures when given a picture?
- Can they identify a three-dimensional figure in real life?

Essentialization: Grade 7 Math
Step 4: Determine targets based on student's instructional level
 Most Complex Identify a three-dimensional figure with specific attributes – compare multiple attributes, some attributes the same. Middle Complexity Identify a three-dimensional figure with specific attributes – by comparison of dissimilar choices Least Complex
Identity a three-dimensional figure with specific attributes – basic attribute recognition.



Most Complex

M07CG1.1.4a Identify a three-dimensional figure with specific attributes

Identify a three-dimensional figure with specific attributes – compare multiple attributes, some attributes the same.

- Teach specific three-dimensional figure attributes such as surface and edges. (where surfaces come together)
- Use three-dimensional figures that are familiar/mastered by the student
- Build understanding by using the knowledge of two-dimensional figures to show common attributes (build on background knowledge)
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



Middle Complexity Identify a three-dimensional figure with specific attributes – by comparison of dissimilar choices Sample student data that might lead to determining the target: Identifies common three-dimensional figures when the figure is present Counts to 4 with one-to one-correspondence Demonstrates understanding of concepts of same and different Matches to same Identifies common familiar two-dimensional figures (shapes)

Essentialization: Grade 7 Math

Middle Complexity

• M07CG1.1.4a Identify a three-dimensional figure with specific attributes

Identify a three-dimensional figure with specific attributes – by comparison of dissimilar choices

- Teach specific three-dimensional figure attributes such surfaces (flat sides) and edges (sides that come together)
- Use three-dimensional figures that are familiar to the student
- Have students match figures that are similar
- Build on background knowledge of known two-dimensional objects
- Have students sort figures that have similar/dissimilar attributes
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.





· M07CG1.1.4a Identify a three-dimensional figure with specific attributes

Least Complex

Essentialization: Grade 7 Math

Least Complex

Identify a three-dimensional figure with specific attributes – basic attribute recognition.

- Explicitly teach specific three-dimensional figure attributes such as sides/round
- Explicitly teach the vocabulary of the attributes considering core, familiar words
- · Use three-dimensional figures/real life objects that are familiar to the student
- Create a physical area to use as students sort three-dimensional shapes (acknowledge attributes)
- · Build from background knowledge of two-dimensional figures
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



							G	eometric Figu	res			
			C		Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11	
Math Across the Grades- Geometry Grade 8				гy	M03C(3), 1, 1a identity similarities between two polygons	MotCol112a Classify two- dimensional shapes based on attributes MO4COI113a Recognize a line of symmetry in a	MOSCO2.1 Ta Identify a hvo- dimensional figure with specific attributes	Mosco1.1.5a Classity three- dimensional figures	M07C01.1.4a identity a bree- dimensional figure with specific attributes	MORCOLL 1 Identify a rotation, reflection, or translation of a two- or three- dimensional figure	CC.2.3.HSA13a Match corresponding bro-dimensional and three- dimensional representations	
						figure						
					M03DM3.1.2a Measure the area of a rectangle by counting squares, tiling, or addition M03DM4.1.1a Find the perimeter of a rectangle	M04DM1.1.3a Identify the area or perimeter of a rectangle	M05DM3.1.2a Find volume by using filing 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 description	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 anea of two objects with one equivalent attribute	
								dimensions	M07CG1.1.2a Identify the properties of a right triangle	M08CG2.1.2a Apply the Pythaporean 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		
		Ge	eometric Figu	res					7			
Grade 3	Grade 4	Grade 5	Grade 6	Gra	de 7		Grad	le 8		Grade	11	
M03CG1.1.1a Identify similarities between two polygons	M04CG1.1.2a Classify two- dimensional shapes based on attributes	M05CG2.1.1a Identify a two- dimensional figure with specific	M06CG1.1.5a Classify three- dimensional figures	M07CG Identify dimensi figure w specific	M07CG1.1.4a Identify a three- dimensional figure with specific		M08CG1.1.1a Identify a rotation, reflection, or translation of a			CC.2.3.HSA13a Match corresponding two-dimensional and three-		
	M04CG1.1.3a Recognize a line of symmetry in a two-dimensional figure	attributes ecognize a line symmetry in a o-dimensional ure		attribute	s	tw dir fig	o- or th nensio ure	ree- nal	dim rep	iension resenta	al itions	

M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three-dimensional figure

M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three-dimensional figure

Essentialization: Grade 8 Math

Step 2: Determine the intent

PA Reporting Category: M08.C-G Geometry

PA Core Standards:

CC.2.3.8.A.2. Understand and apply congruence, similarity, and geometric transformations using various tools.

Assessment Anchor

M08.C-G.1. Demonstrate an understanding of geometric transformations.

DESCRIPTOR	ELIGIBLE CONTENT	Alternate Eligible Content Code	ALTERNATE ELIGIBLE CONTENT
M08.C-G.1.1 Apply properties of geometric transformations to verify congruence or similarity.	M08.C-G.1.1.1 Identify and apply properties of rotations, reflections, and translations. Example: Angle measures are preserved in rotations, reflections, and translations.	M08CG1.1.1a	Identify a rotation, reflection, or translation of a two- or three-dimensional figure
	M08.C-G.1.1.2 Given two congruent figures, describe a sequence of transformations that exhibits the congruence between them.	M08CG1.1.2a	Identify figures that are congruent/similar
	M08.C-G.1.1.3 Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.		
	M08.C-G.1.1.4 Given two similar two-dimensional figures, describe a sequence of transformations that exhibits the similarity between them.		

Step 2: Determine the intent

M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three-dimensional figure

To recognize and name objects regardless of position

OR

To be able to manipulate various shapes and objects and recognize they are still the original object



Essentialization: Grade 8 Math	M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three-dimensional figure
Step 4: Determine targets based on st	udent's instructional level
Most Complex Identify a rotation, reflection, or tra- compare transformations of the sa	nslation of a figure – me shape
Middle Complexity	me shape.
comparison of dissimilar choices	ansiation of a ligure – by
Least Complex Identify a translation of a figure –	basic recognition.



Most Complex

M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three-dimension

figure

Identify a rotation, reflection, or translation of a figure – compare transformations of the same shape

- Teach specific vocabulary of rotation, reflection and translation, having the student manipulative objects or draw to demonstrate understand. Reduce vocabulary to include language familiar and core to the student. (Rotation-turn around; reflection-flip; translation-slide, push, pull) Use multiple trials.
- Use two- and three-dimensional figures that are familiar/mastered by the student
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.

Essentialization: Grade 8 Math	M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three-dimensional figure Most Complex
Math example – Most Complex Identify a rotation, reflection, or translati compare transformations of the same sl	on of a figure – nape.
Which of these is a rotation (turn aro	und) of this figure ?

M08CG1.1.1alldentify a rotation, reflection, or translation of a two- or three-

M08CG1.1.1a Identify a rotation, reflection, or translation of a two-

figure

Essentialization: Grade 8 Math

Middle Complexity

Identify a rotation, reflection, or translation of a figure – by comparison of dissimilar choices

Sample student data that might lead to determining the target:

- Identifies common two- and three-dimensional figures when the figure is present
- Demonstrates understanding of concepts of same and different
- Matches to same
- Identifies a two-dimensional figures by specific attributes

Essentialization: Grade 8 Math Middle Complexity Instructional ideas: Teach specific vocabulary (rotation-turn around, reflection-flip, translation-slide, push, pull) that has been reduced in complexity to common familiar words used by the student. Use two- and three- dimensional figures that are familiar/mastered by the student Have students match figures that are similar Use manipulatives for the students to demonstrate examples of the selected vocabulary (slide, push, flip, turn) Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.





Instructional ideas: Instructional ideas: • Explicitly teach specific two- and/or three-dimensional figures: use real life objects and manipulatives • Explicitly teach the vocabulary of translation using familiar core words specific to the student (slide, push, pull) • Use a figure that is familiar to the student • Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



							G	eometric Figu	res		
	(l C		A		Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 11
ath Acro rade 11	oss the G	Frades -	Geometr	У	Medicol 1.1.1a Identity similarities between two polygons	Moecor. L2a Classify two- dimensional shapes based on attributes M04CG1.1.3a Recognize a line of symmetry in a two-dimensional	Muscuz I Ia Identify a two- denensional figure with specific attributes	factor the Classify three- dmensional figures	Morech Lea Identify a three- dimensional Spare with specific attributes	Neecon raise Identify a rotation, or translation of a bio- or three- dimensional figure	CC-23 HSR134 Match corresponding two-detensional and three- demensional representations
					M03DM3.1.2a Measure the area of a rectangle by counting, or addition M03DM4.1.1a Find the perimeter of a rectangle	figure M04DM1.1.3a Identify the area or perimeter of a rectangle	M05DM3.12a Find volume by using filing or multiplication	M06CG1.1.3a Solve a real- words problem involving volume using unit cubes or multiplication M06CG1.1.1a Find the area of a quadrilateral given the dmansion	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
									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 Identity figures that are congruent/similar	
		G	eometric Figu	res							
Grade 3	Grade 4	Grade 5	Grade 6	Grad	le 7		Grad	e 8	1	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	M05CG2.1.1a Identify a two- dimensional figure with specific attributes	M06CG1.1.5a Classify three- dimensional figures	M07CG1 Identify a dimensio figure wit specific attributes	1.1.4a a three- ional vith es M08CG1.1.1a Identify a rotation, reflection, or translation of a two- or three- dimensional figure		CC Mai con two and dim rep	CC.2.3.HSA13a Match corresponding two-dimensional and three- dimensional representations			

CC.2.3.HSA13a

Match corresponding two-dimensional and three-dimensional representations

CC.2.3.HSA13a

Match corresponding two-dimensional and three-dimensional representations

Essentialization: Grade11 Math	PA Core Standards: CC.2.3.HS.A.11: Apply coordinate geometry to prove simple geometric theorems algebraically. Alternate Eligible ALTERNATE ELIGIBLE CONTENT Content Code
Step 2: Determine the intent	PA Core Standards: CC 2.3.HS A 12: Explain volume formulas and use them to solve problems. Alternate Eligible ALTERNATE ELIGIBLE CONTENT Content Code
	PA Core Standards: CC.2.3.HSA.13: Analyze relationships between two-dimensional and three dimensional objects. Alternate Eligible ALTERNATE ELIGIBLE CONTENT Content Code ALTERNATE ELIGIBLE CONTENT CC.2.3.HSA.13.a Match corresponding two-dimensional and three-dimensional representations
	PA Core Standards: CC 2.3 HS A 14: Apply geometric concepts to model and solve real world problems. Alternate Eligible ALTERNATE ELIGIBLE CONTENT Content Code ALTERNATE ELIGIBLE CONTENT CC.2.3.HS.A.14.a Compare the area of two objects with one equivalent attribute

Step 2: Determine the intent

CC.2.3.HSA13a Match corresponding two-dimensional and three-dimensional representations

To know and identify shapes

To be able to connect various shapes and objects in both two and three dimensions



Essentialization: Grade 11 Math	CC.2.3.HSA13a Match corresponding two-dimensional and three-dimensional representations
Step 4: Determine targets based on stude	ent's instructional level
Most Complex Identify a three-dimensional figure give on two-dimensional model – some att	en specific attributes ributes the same.
Middle Complexity Identify a three-dimensional figure gives on two-dimensional model – comparis	ven specific attributes son of dissimilar choices.
Least Complex Match a two-dimensional representati figure – basic attribute recognition.	ion to a three-dimensional

Most Complex

Identify a three-dimensional figure given specific attributes on twodimensional model – some attributes the same.

CC.2.3.HSA13a

Match corresponding two-dimensional and three-dimensional repre

Sample student data that might lead to determining the target:

- Identifies common two- and three-dimensional figures when the figure is present
- Demonstrates understanding of concepts of same and different
- Identifies familiar two- and three-dimensional figures by specific attributes
- Identifies translation, reflection and rotation of common two- and three-dimensional figures

Most Complex

Match corresponding two-dimensional and three-dimensional representation

CC.2.3.HSA13a

Identify a three-dimensional figure given specific attributes on twodimensional model – some attributes the same.

- Teach specific attributes such as surfaces (flat sides) and edges (where flat sides come together) for three-dimensional figures and sides and/or angles (where side connect or come together) for two-dimensional figures, having the student sort examples and non examples
- Use two- and three-dimensional figures that are familiar/mastered by the student
- Use magazines, pictures online or other common visuals to make connections between two- and three-dimensional figures
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



Middle Complexity

Identify a three-dimensional figure given specific attributes on twodimensional model – comparison of dissimilar choices.

Sample student data that might lead to determining the target:

· Identifies common three-dimensional figures when the figure is present

CC 2.3 HSA13a

CC.2.3.HSA13a

Match corresponding two-dimensional and three-dimensional representation

- Counts to 4 with one-to-one correspondence
- Demonstrates understanding of concepts of same and different
- Matches to same
- Student demonstrates ability to translate (push, pull or slide) an object
- Student identifies a two-dimensional figure with specific attributes and a three-dimensional figure with specific attributes

Essentialization: Grade 11 Math

Middle Complexity

Match corresponding two-dimensional and three-dimensional representation

Identify a three-dimensional figure given specific attributes on twodimensional model – comparison of dissimilar choices.

- Teach specific three-dimensional figure attributes such surfaces (flat sides), edges (where flat sides come together) and two-dimensional attributes such as sides and round, having the student sort examples and non examples
- Use two- and three-dimensional figures that are familiar/mastered by the student
- · Have students match figures that are similar
- · Have students sort figures that have similar/dissimilar attributes
- Build background knowledge of familiar two-dimensional figure to teach its connection to a three-dimensional figure using manipulatives and not drawings.
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.



Least Complex

Match a two-dimensional representation to a three-dimensional figure – basic attribute recognition.

CC.2.3.HSA13a

Match corresponding two-dimensional and three-dimensional represe

Sample student data that might lead to determining the target:

- Matches one common three-dimensional shapes with visual cue (template) and other conditions such a color
- Identifies a two-dimensional figure when the figure is present
- Imitates matching three-dimensional and/or two-dimensional shapes
- Emerging imitation skills

Least Complex

Match corresponding two-dimensional and three-dimensional representation

CC 2.3 HSA13a

Match a two-dimensional representation to a three-dimensional figure – basic attribute recognition.

- Explicitly teach specific three-dimensional figure attributes such as surface or edge and two dimensional attributes such as sides/round
- Explicitly teach the vocabulary of the attributes considering core familiar words
- Use two- and three-dimensional figures that are familiar to the student
- Create a physical area to use as students sort two- and three-dimensional shapes (acknowledge attributes)
- Utilize instructional strategies such as errorless learning, shaping and error correction to engage students and scaffold understanding.







Webinars to support Alternate Eligible Content, continued

Spring Series

- February 25, 2015: Increasing Academic Expectations with the Alternate Eligible Content: Increasing Communication/Language Expectations
- March 25, 2015: Increasing Academic Expectations with the Alternate Eligible Content: A Closer Look at Math
- April 22, 2015: Increasing Academic Expectations with the Alternate Eligible Content: A Closer Look at ELA/Reading
- May 20, 2015: Increasing Academic Expectations with the Alternate Eligible Content: Creating Lessons

Webinars to support Alternate Eligible Content, continued

Fall/Winter Series 2015-16

- October 21, 2015 3:30pm-4:30pm: Alternate Eligible Content: A View Across the Grades
- November 17, 2015 3:30pm-4:30pm: Alternate Eligible Content: Sample Essentialization: ELA/Reading



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





