

Cinfratute 45





Confratute 2023



SCAN ME

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INTRODUCTION



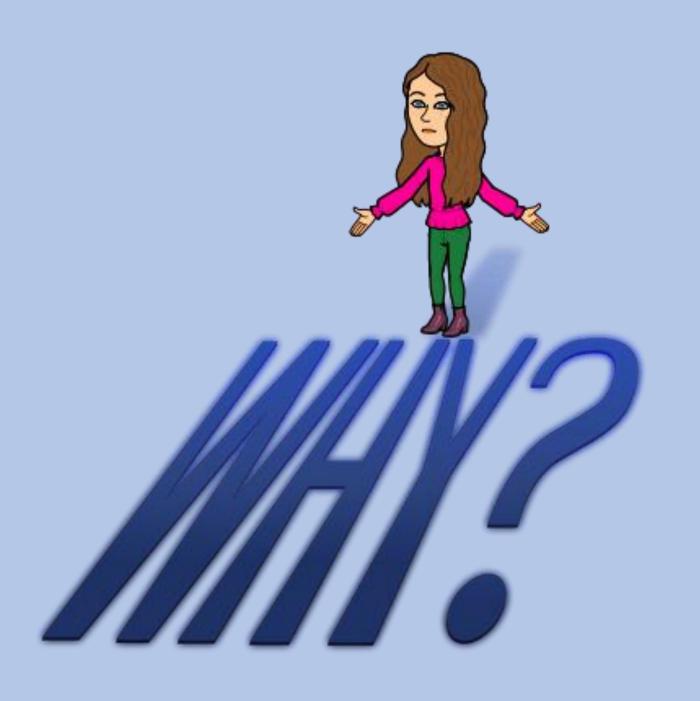


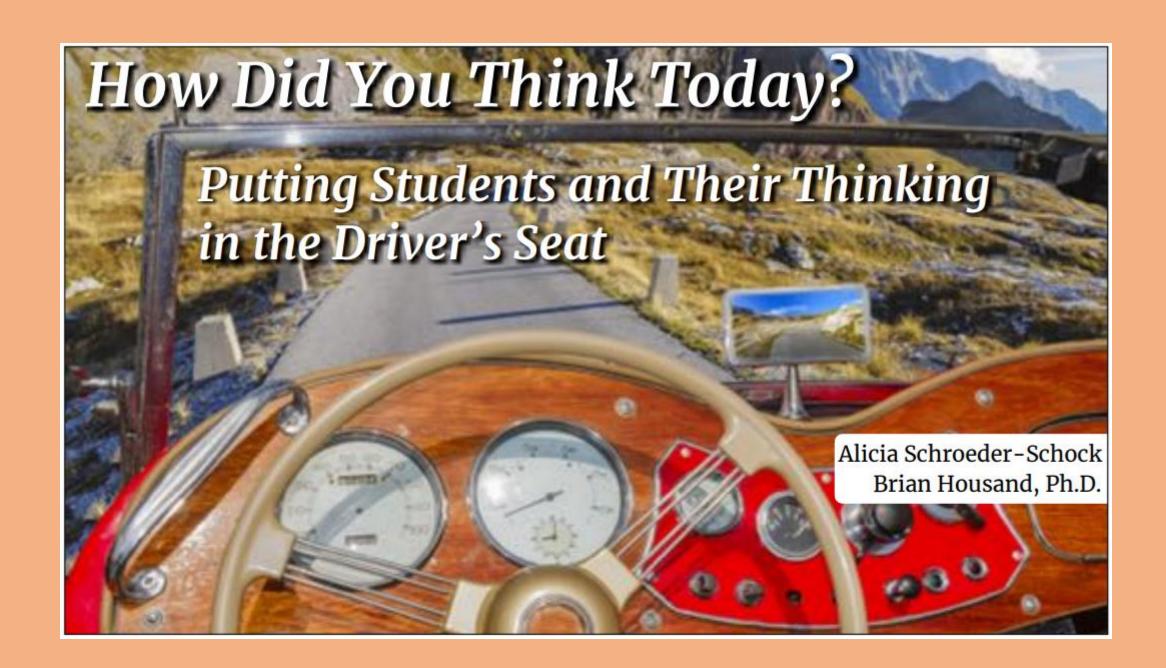












Objectives

- •Evaluate thinking skills/routines and identify curriculum tie-ins for young learners
- *Learn how to create a standards-based thinking skills lesson
- *synthesize learning to create lessons for your setting

Depth and Complexity





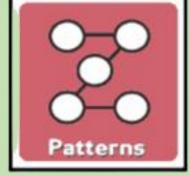




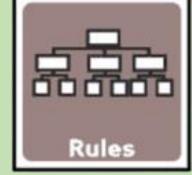
















GIFTED GUILD'S GUIDE TO

DEPTH AND COMPLEXITY

Finding Your Way Through The Framework

Ian Byrd and Lisa Van Gemert, M.Ed.



Project Zero

PZ's Thinking Routines Toolbox | Project Zero (harvard.edu)

CORE THINKING ROUTINES

INTRODUCING & EXPLORING IDEAS

DIGGING DEEPER INTO IDEAS

SYNTHESIZING & ORGANIZING IDEAS

INVESTIGATING OBJECTS AND SYSTEMS

PERSPECTIVE-TAKING

CONSIDERING CONTROVERSIES, DILEMMAS, AND PERSPECTIVES

GENERATING POSSIBILITIES AND ANALOGIES

EXPLORING ART, IMAGES, AND OBJECTS

GLOBAL THINKING

See, Think, Wonder

What do you see?

What do you think about that?

What does it make you wonder?

What Makes You Say That? (Adapted)

What's going on?

What do you see that makes you say that?

Circle of Viewpoints

A routine for exploring perspectives.

- 1. Brainstorm a list of difference perspectives.
- 2. Choose one perspective to explore, using these sentence-starters:
- I am thinking of ... the topic ... from the viewpoint of ... the viewpoint you've chosen
- I think ... describe the topic from your viewpoint. Be an actor—take on the character of your viewpoint
- A question I have from this viewpoint is ... ask a question from this viewpoint

Connect, Extend, Challenge

Consider what you have just read, seen, or heard, and then ask yourself:

- How are the ideas and information connected to what you already know?
- What new ideas did you get that broadened your thinking or extended it in different directions?
- What challenges or puzzles emerge for you?

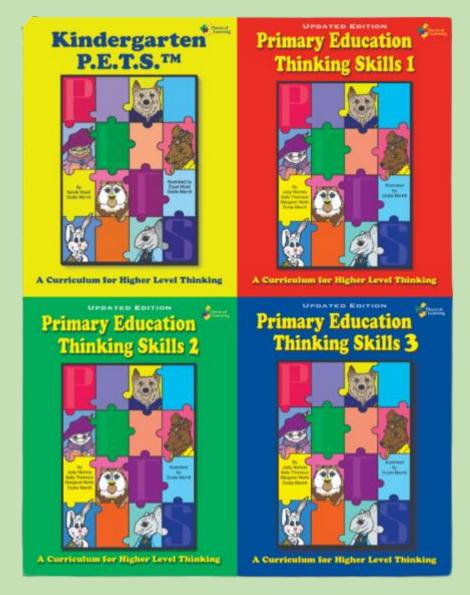
I Used to Think... Now I think...

Think about what you have learned about the topic we have been studying and complete the following sentence stems:

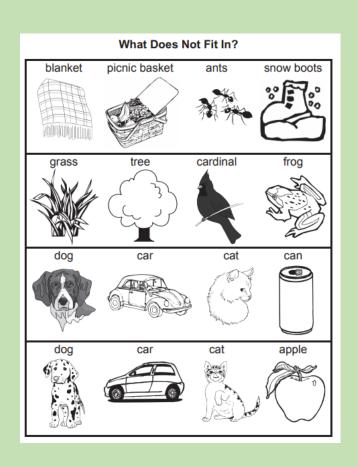
I used to think...

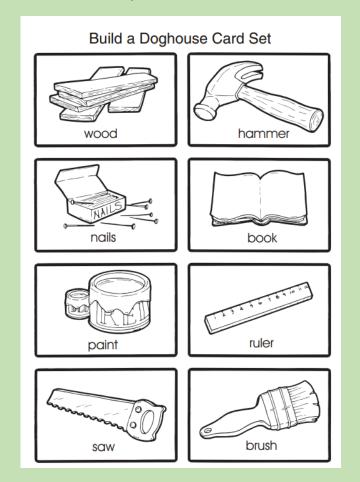
Now I think...

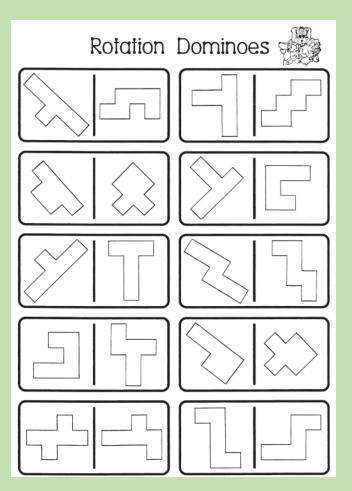
PETS



- · convergent (sybil and Dudley)
- Divergent (Isabel and Yolanda)
- Evaluative (Jordan)
- Spatial (Max)















Identify your standard



Select your thinking skill/routine



Write your objective

Depth and Complexity





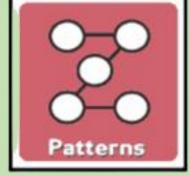




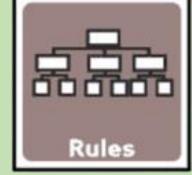
















Identify your standard



Select your thinking skill/routine



Write your objective

Kinder



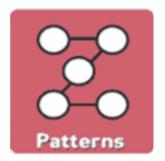
Identify your standard

Office With prompting and support, identify characters, settings, and major events in a story.



Select your thinking skill/routine

Patterns





I can <u>identify</u> the patterns between characters, setting, and major events in multiple stories.

st Grade

Identify your standard

IRL.3 Describe
characters, settings,
and major events in
a story, using
key/supporting
details.



Select your thinking skill/routine

Change Over Time





Write your objective

I can <u>describe</u> how characters, the setting, or major events in a story caused a character to change over time.

Identify your standard

2.RL.3 <u>Describe</u>
settings and how
characters in a story,
respond to major
events and challenges.



Select your thinking skill/routine

Multiple Perspectives





I can <u>describe</u> how characters to respond to events and challenges from multiple perspectives.

Kinder

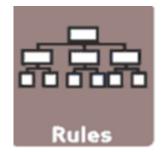
Identify your standard

O.G.4 Compare and classify two-dimensional shapes (squares, circles, triangles, rectangles) of different sizes and orientations, using informal language to describe their similarities, differences, and attributes.



Select your thinking skill/routine

Rules





I can <u>classify</u> twodimensional shapes and explain the rules of my sort using their attributes. st Grade

Identify your standard

the value of combinations of dimes and pennies up to one dollar.



Select your thinking skill/routine

Language of the Discipline





Write your objective

I can <u>create</u> coin combinations for values up to \$1.20 and explain them using the language of the discipline. and Grade

Identify your standard

2.0A.4 Use addition to find the total number of Objects arranged in rectangular arrays with up to 5 rows and up to 5 columns. Write an equation to express the total as a sum of equal addends.



Select your thinking skill/routine

Trends





I can <u>create</u> arrays for a given values up to 30 and explain the trends I notice.



Identify your standard

1.W.3 Write narratives.

a. Recount two or more sequenced events.

6. Include details.

c. Use transitional words.

d. provide sense of closure.



Select your thinking skill/routine

Multiple perspectives





I can <u>create</u> three stories using the same prompt written from different perspectives.

Kinder

O.RI.5 Identify the front cover, back cover, and title page of a book.

O.RL.9 With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories

1st Grade

1.0A.8 Determine the unknown whole number in an addition or subtraction equation that uses three whole numbers.

1.W.1 Write opinion pieces.

- a. Introduce topic
- b. State opinion.
- c. Supply a reason.
- d. Provide closure.

2nd Grade

2.RL.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number









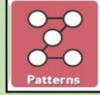




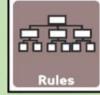














Kinder

O.RI.5 Identify the front cover, back cover, and title page of a book.

O.RL.9 With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories



OPRISO (Details) I can listen to a story and use details from it to create a front cover, back cover, and title for it.

OPL.9 (Multiple perspectives) I can compare and contrast the adventures of characters from multiple perspectives.

1st Grade

1.0A.8 Determine the unknown whole number in an addition or subtraction equation that uses three whole numbers.

1.W.1 Write opinion pieces.

- a. Introduce topic
- b. State opinion.
- c. Supply a reason.
- d. Provide closure.

1.0A.8 (Details) I can <u>determine</u> the unknown number in an addition or subtraction equation that uses three whole numbers and explain my reasoning.



I.W.I (patterns) I can <u>analyze</u> the patterns between adventures and experiences of characters to <u>write</u> about a common character trait.

2nd Grade

2.RL.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number

2,RL.7 (Multiple perspectives) I can write about an event or illustration in a story from multiple perspectives.

2.6.2 (Spatial) I can <u>create</u>
rectilinear swimming pool designs,
partition them into same-size
squares, and find the total. Then I
can write about which design is best
for a kid's pool.



Project Zero

CORE THINKING ROUTINES

INTRODUCING & EXPLORING IDEAS

DIGGING DEEPER INTO IDEAS

SYNTHESIZING & ORGANIZING IDEAS

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PERSPECTIVE-TAKING

CONSIDERING CONTROVERSIES, DILEMMAS, AND PERSPECTIVES

GENERATING POSSIBILITIES AND ANALOGIES

EXPLORING ART, IMAGES, AND OBJECTS

GLOBAL THINKING



Identify your standard



Select your thinking skill/routine



Write your objective

Kinder



Identify your standard

O.RL.3 With prompting and support, identify characters, settings, and major events in a story.



Select your thinking skill/routine

See, Think, Wonder



Write your objective

I can identify what I see, think, and wonder about the characters, settings, and major events in a story.

st Grade

Identify your standard

IRL.3 <u>Describe</u>
characters, settings,
and major events in
a story, using
key/supporting
details.



Select your thinking skill/routine

What makes you say that?



Write your objective

I can <u>describe</u> my

opinion of a

character, setting, or

major event in a

story and defend my

thinking.

Identify your standard

2.RL.3 <u>Describe</u>
settings and how
characters in a story,
respond to major
events and challenges.



Select your thinking skill/routine

circle of viewpoints



I can <u>describe</u> how characters respond to events in a story from a particular viewpoint.

Kinder

Identify your standard

O.G.4 Compare and classify two-dimensional shapes (squares, circles, triangles, rectangles) of different sizes and orientations, using informal language to describe their similarities, differences, and attributes.



Select your thinking skill/routine

What makes you say that?



Write your objective

I can describe which shapes would work for re-designing objects around me using their attributes and explain my thinking.

st Grade

Identify your standard

the value of combinations of dimes and pennies up to one dollar.



Select your thinking skill/routine

Connect, Extend, Challenge



Write your objective

I can <u>create</u> coin combinations for values up to \$1.20 and share my process using the connect, extend, challenge routine.

2.0A.4 Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns. Write an equation to express the total as a sum of equal addends.



Select your thinking skill/routine

I used to think...now I think



Write your objective

I can <u>predict</u> and <u>create</u> arrays with values up to 30 and to determine how many possibilities there are for different values.

1.W.3 Write narratives.

a. Recount two or more sequenced events.

6. Include details.

c. Use transitional words.

d. provide sense of closure.



Select your thinking skill/routine

See, Think, Wonder



Write your objective

I can <u>create</u> a story that includes what a character sees, thinks, and wonders.

O.RI.5 Identify the front cover, back cover, and title page of a book.

O.RL.9 With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories

1st Grade

1.0A.8 Determine the unknown whole number in an addition or subtraction equation that uses three whole numbers.

1.W.1 Write opinion pieces.

- a. Introduce topic
- b. State opinion.
- c. Supply a reason.
- d. Provide closure.

2nd Grade

2.RL.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number







- I used to think...now I think
- · connect, extend, challenge
- · circle of viewpoints
- What makes you say that?
- · see, think, wonder

O.RI.5 Identify the front cover, back cover, and title page of a book.

O.RL.9 With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories

OPRI.5 (Circle of viewpoints) I can listen to a story and <u>create</u> a front cover, back cover, and title for it from a character's viewpoint.

OPL-9 (What makes you say that?) I can evaluate the experiences of characters to determine their character trait and defend my thinking.

Ist Grade

1.0A.8 Determine the unknown whole number in an addition or subtraction equation that uses three whole numbers.

1.W.1 Write opinion pieces.
a. Introduce topic

b. State opinion.

c. Supply a reason.

d. Provide closure.

1.0A.8 (Connect, extend, challenge) I can <u>create</u> combinations up to 20 of three numbers using addition and subtraction and explain my thinking using the connect, extend, challenge routine.

I.W.I (What makes you say that?) I can write an Opinion and support it with at least two reasons.

2nd Grade

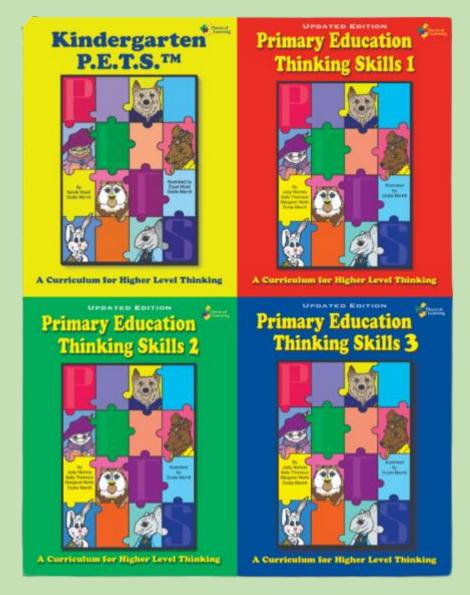
2.RL.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number

2,RL.7 (Circle of viewpoints) I can analyze an illustration from a picture book that has no words and explain what is happening using the circle of viewpoints routine.

26.2 (Connect, extend, challenge) I can <u>create</u> a rectilinear design, partition it into same-size squares, and find the total then explain my thinking using the connect, extend, challenge routine.

PETS







Select your thinking skill/routine



Write your objective

Identify your standard

O.RL.3 With prompting and support, identify characters, settings, and major events in a story.



Select your thinking skill/routine

Evaluative (Judge)
Thinking



Write your objective

I can <u>design</u> book awards and <u>evaluate</u> the characters, settings, and events in a story to determine which book award it should receive. st Grade

Identify your standard

IRL.3 <u>Describe</u>
characters, settings,
and major events in
a story, using
key/supporting
details.



Select your thinking skill/routine

Evaluative Thinking (Jordan)



Write your objective

I can <u>design</u> book
awards and <u>evaluate</u>
the characters,
settings, and events in
a story to determine
which book award it
should receive <u>using</u>
criteria.

and Grade

Identify your standard

2.RL.3 <u>Describe</u>
settings and how
characters in a story,
respond to major
events and challenges.



Select your thinking skill/routine

Evaluative Thinking (Jordan)



Write your objective

I can <u>design</u> book awards and <u>evaluate</u> the characters, settings, and events in a story to determine which book award it should receive <u>using</u> a criteria matrix.

Identify your standard

O.G.4 Compare and classify two-dimensional shapes (squares, circles, triangles, rectangles) of different sizes and orientations, using informal language to describe their similarities, differences, and attributes.



Select your thinking skill/routine

Analytical (Detective) Thinking



Write your objective

I can <u>analyze</u> shapes and <u>describe</u> which would work for redesigning objects around me using their attributes.

st Grade

Identify your standard

the value of combinations of dimes and pennies up to one dollar.



Select your thinking skill/routine

Convergent
Thinking (Dudley)



Write your objective

I can <u>analyze</u> coin

values to <u>create</u>

combinations using

the least amount

possible for values up

to \$1.20.

2.0A.4 Use addition to find the total number of Objects arranged in rectangular arrays with up to 5 rows and up to 5 columns. Write an equation to express the total as a sum of equal addends.



Select your thinking skill/routine

Thinking (Sybil and Dudley)



Write your objective

I can <u>create</u> arrays with values up to 30 and <u>analyze</u> them to determine which values produce the greatest number of options.

1.W.3 Write narratives.

a. Recount two or more sequenced events.

6. Include details.

c. Use transitional words.

d. provide sense of closure.



Select your thinking skill/routine

Divergent Thinking
(Isabel and
Yolanda)



I can <u>create</u> three different stories using the same prompt.

O.RI.5 Identify the front cover, back cover, and title page of a book.

O.RL.9 With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories

Ist Grade

1.0A.8 Determine the unknown whole number in an addition or subtraction equation that uses three whole numbers.

1.W.1 Write opinion pieces.

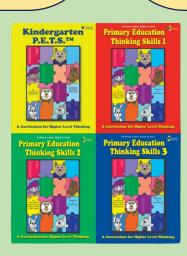
- a. Introduce topic
- b. State opinion.
- c. Supply a reason.
- d. Provide closure.

2nd Grade

2.RL.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number







- · convergent (Sybil and Dudley)
- · Divergent (Isabel and Yolanda)
- Evaluative (Jordan)
- · Spatial (Max)

O.RI.5 Identify the front cover, back cover, and title page of a book.

O.RL.9 With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories

Opriot (Divergent) I can listen to a story and create a front cover, back cover, and title for it.

Oppl.9 (Evaluative) I can <u>evaluate</u> the adventures and experiences of characters to determine their character trait.

1st Grade

1.0A.8 Determine the unknown whole number in an addition or subtraction equation that uses three whole numbers.

1.W.1 Write opinion pieces.

- a. Introduce topic
- b. State opinion.
- c. Supply a reason.
- d. Provide closure.

1.0A.8 (Divergent) I can <u>create</u> combinations up to 20 of three numbers using addition and subtraction.

I.W.I (Convergent) I can <u>analyze</u> the adventures and experiences of characters to <u>write</u> about a common character trait.

2nd Grade

2.RL.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number

2.RL.7 (Divergent) I can write a story that goes along with a picture book that has no words.

2.G.2 (Spatial) I can <u>create</u> rectilinear swimming pool designs, partition them into same-size squares, and find the total.

Objectives

- •Evaluate thinking skills/routines and identify curriculum tie-ins for young learners
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