

Practical Strategies that Tier Instruction with Less Intensity Grades K-8

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Dr. Bertie Kingore
www.bertiekingore.com

Professional Associates Publishing
PO Box 28056
Austin, TX 78755-8056
Toll free phone/fax: 866-335-1460
www.kingore.com

Thinking Triangle

1. What or who
2. Where
3. When
4. How
5. Why

1. _____

2. _____


3. _____

4. _____

5. _____

• Figure 4.6 •

Brainwriting



TOPIC _____


• _____	• _____	
• _____		• _____

Figure 7.2:

ABSTRACT THINKING, COMPLEXITY, AND DEPTH RELATED TO THINKING AND INQUIRY

ELEMENTS

THINKING SKILLS

Thinking skills are interdependent and rarely used independently of one another.

INQUIRY: QUESTION TRIGGERS

<p>Abstractions</p> <ul style="list-style-type: none"> • Pose unknowns • Develop analogies • Think deductively and inductively 	<ul style="list-style-type: none"> • Interpret • Hypothesize • Generalize • Identify ambiguity 	<p>Which symbols could represent _____? How is _____ like _____? What are the paradoxes?</p>
<p>Change over time</p>	<ul style="list-style-type: none"> • Hypothesize • Determine sequence • Think deductively and inductively • Differentiate similarities and differences 	<p>How has _____ changed over time? How has time affected _____? Based upon past actions, what are the future trends?</p>
<p>Essential questions</p>	<ul style="list-style-type: none"> • Formulate questions • Analyze the attributes • Determine relevancy • Think deductively and inductively 	<p>What three questions pose key concerns for this process? Which characteristics are most significant to _____'s survival? What information is indispensable to this topic?</p>
<p>Ethics</p>	<ul style="list-style-type: none"> • Determine relevancy • Identify point of view • Think deductively and inductively • Establish and apply judgement criteria • Determine cause and effect 	<p>Which moral assumptions are involved in this controversy? How has bias affected this discussion? What is your interpretation of that judgment?</p>
<p>Generalizations</p>	<ul style="list-style-type: none"> • Establish criteria • Think deductively and inductively • Differentiate similarities and differences • Determine relevancy 	<p>What is the key relationship among these principles? What overarching meaning can be drawn from the examples? What is main point of this philosophy?</p>
<p>Interdisciplinary content</p>	<ul style="list-style-type: none"> • Formulate questions • Think deductively and inductively • Differentiate similarities and differences • Determine cause and effect • Identify ambiguity 	<p>How is this controversy expressed in other disciplines during that time period? What are common elements of these disciplines? Which events influenced this movement in art or literature?</p>

Issues

- Formulate questions
- Think deductively and inductively
- Differentiate similarities and differences
- Distinguish viewpoint
- Determine relevancy
- Assume
- Identify ambiguity
- Interpret
- Distinguish fact and fiction
- Establish criteria

What is the crux of this issue?
Why is the resolution of this issue significant to the public?
How relevant is this issue today?

Language and terminology

- Develop analogies
- Differentiate similarities and differences
- Determine relevancy
- Think deductively and inductively
- Assume
- Interpret
- Analyze the attributes or characteristics

Which five words are most important to this topic?
Which terms best describe this process?
What terminology is significant to this field?

Methodology

- Hypothesize
- Conclude
- Determine sequence
- Think deductively and inductively
- Predict
- Generalize
- Determine relevancy
- Assume
- Interpret

How did methodology taint the results?
Which method is most relevant?
How would you describe the procedure?

Patterns

- Formulate questions
- Think deductively and inductively
- Differentiate similarities and differences
- Determine cause and effect
- Analyze attributes
- Hypothesize
- Categorize
- Interpret
- Determine relevancy

Based upon the pattern of the events, what can be forecasted regarding future actions?
What is the implied mathematical rule?
What are the reoccurring ideas?

Perspectives

- Pose unknowns
- Generalize
- Think deductively and inductively
- Differentiate similarities and differences
- Distinguish reality and fantasy
- Assume
- Interpret
- Identify ambiguity
- Determine relevancy

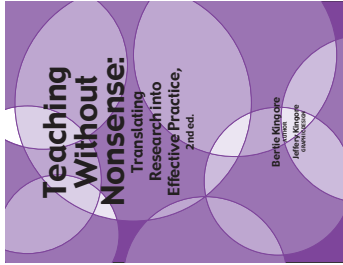
How does the perspective of another character affect that interpretation?
What are the opposing viewpoints?
Why might a scientist take offense at that conclusion?

Resources and technology

- Formulate questions
- Hypothesize
- Distinguish fact and fiction
- Think deductively and inductively
- Differentiate similarities and differences
- Determine the cause and effect
- Analyze the attributes or characteristics
- Distinguish point of view
- Pose unknowns
- Predict
- Establish and apply judgement criteria
- Identify ambiguity
- Substantiate
- Conclude
- Generalize
- Determine relevancy

Which resources provide the most in-depth information?
How is that resource biased?
What advantages does technology offer when researching this topic?

RESOURCES



Teaching Without Nonsense, 2nd ed.



Engaging Creative Thinking



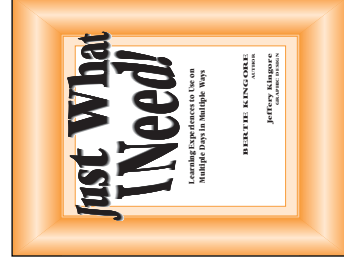
Reaching All Learners: Making Differentiation Work



Integrating Thinking: Strategies that Work! 2nd ed.



Alphabetters: Alphabetically Organized Thinking Adventures



Just What I Need! Learning Experiences to Use on Multiple Days in Multiple Ways

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