



Objectives

At the end of this webinar, participants are expected to:



- Increase their understanding of how to make students' thinking visible through application of simple routines.
- Develop ways on how to improve instructional strategies that would allow students to make their thinking visible.
- Develop lessons across content areas which are rich with making thinking visible routines.



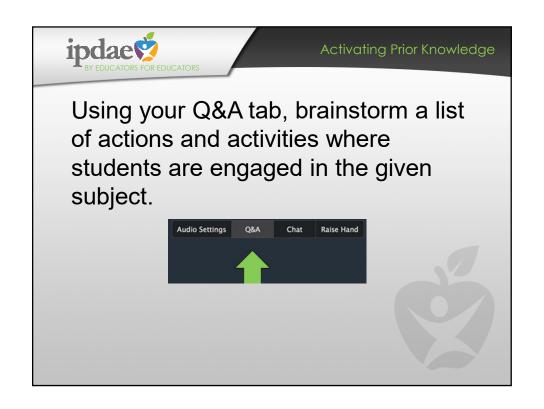
Establishing a Culture for Learning

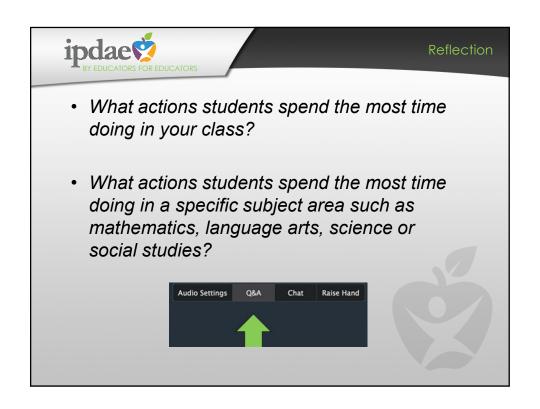
# **Qualities of a Culturally Responsive Classroom**

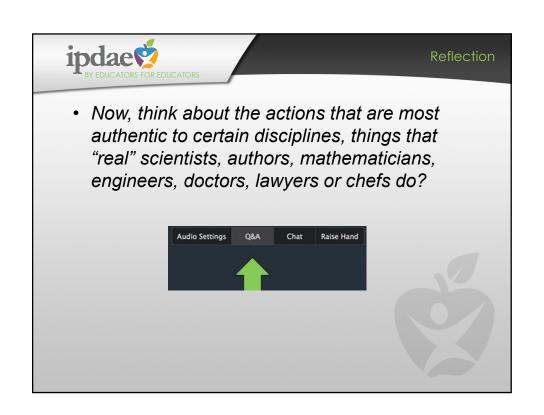
- 1. Understanding how learners construct knowledge
- 2. Learning about students' lives
- 3. Being socio-culturally conscious
- 4. Holding affirming views about diversity
- 5. Using appropriate instructional strategies
- 6. Advocating for all students

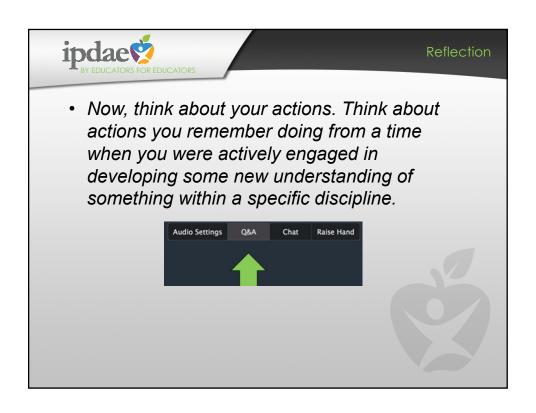


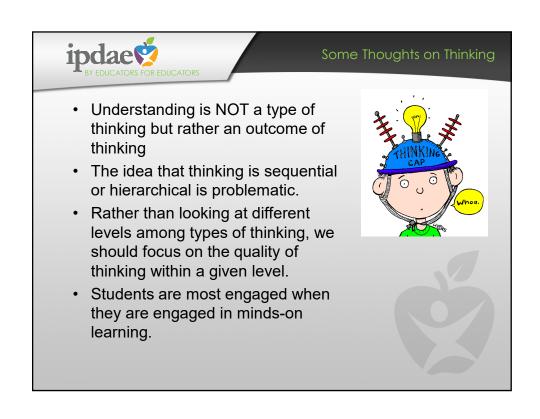














### Making Thinking Visible Framework

The Visible Thinking Framework was initiated by Project Zero of the Harvard Graduate School of Education. Project Zero is a community founded by Nelson Goodman in 1967 which studies and improves education in the arts. This community includes Howard Gardner (Multiple Intelligences, 2006) and David Perkins (Smart Schools, 1992).



The Visible Thinking research explored the practicality of using thinking routines and documentation as classroom learning tools, developed a framework for pursuing cultural transformation in classrooms and schools, and devised tools for integrating the arts (Ritchhart & Perkins, 2008). This work has spanned elementary through university settings, included both public and independent schools, and involved schools in the United States, the Netherlands, Sweden, Belgium, and Australia.

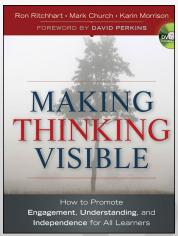
R. Ritchhart & D. Perkins (2008). Making thinking visible. Educational Leadership, volume 65, number 5, Pages 57-61. <a href="http://www.visiblethinkingpz.org/VisibleThinking">http://www.visiblethinkingpz.org/VisibleThinking</a> html files/06 AdditionalResources/makingthinkingvisibleEL.pdf.



## Metacogntion

# The Making Thinking Visible Framework:

- Encourages students to develop a greater awareness of the role thinking plays in cultivating their understanding.
- Allows students to plan, monitor, and control cognitive resources in relation to task demands.
- Fosters an awareness of one's own learning process.



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# Six Principles of the Visible Thinking Approach



- 1. Learning is a consequence of thinking.
- 2. Good thinking is not only a matter of skills, but also a matter of dispositions.
- 3. The development of thinking is a social endeavor.
- 4. Fostering thinking requires making thinking visible.
- 5. Classroom culture sets the tone for learning and shapes what is learned.
- 6. Schools must be cultures of thinking for teachers.

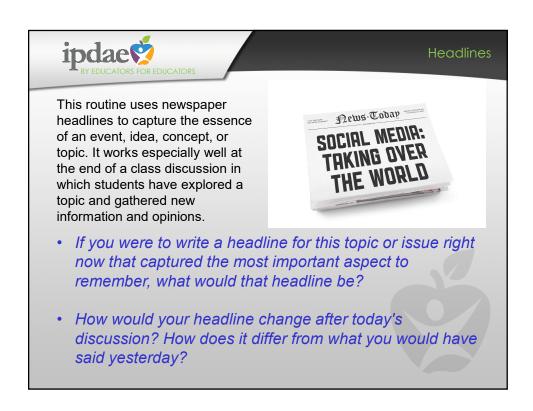
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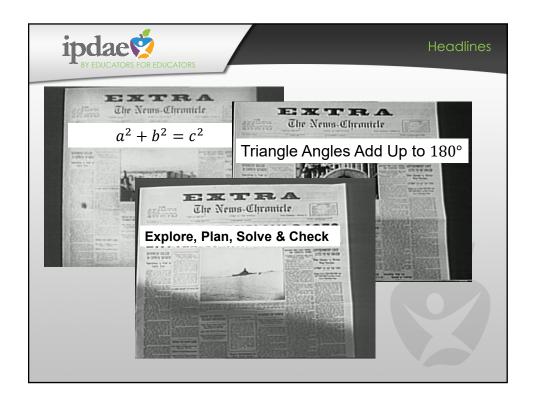


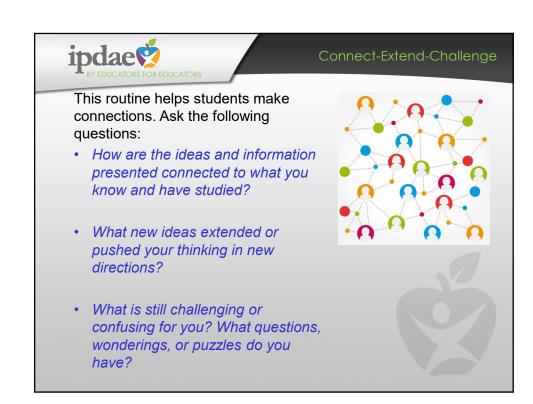
### Thinking Routines

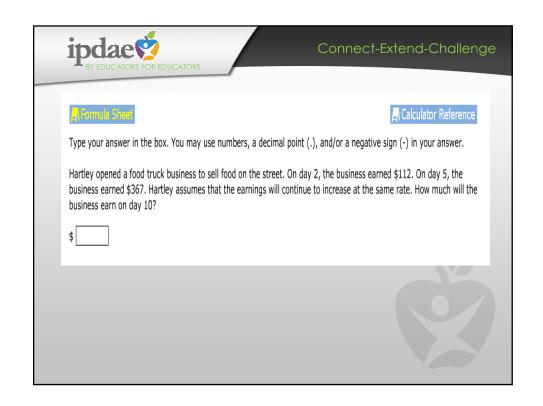
Project Zero researchers developed more than 30 thinking routines in collaboration with K–12 teachers. The next few slides will explain a few popular routines used by teachers. Visit <a href="www.pz.harvard.edu/vt/">www.pz.harvard.edu/vt/</a> for more information, including actual classroom examples, on these routines and many others.

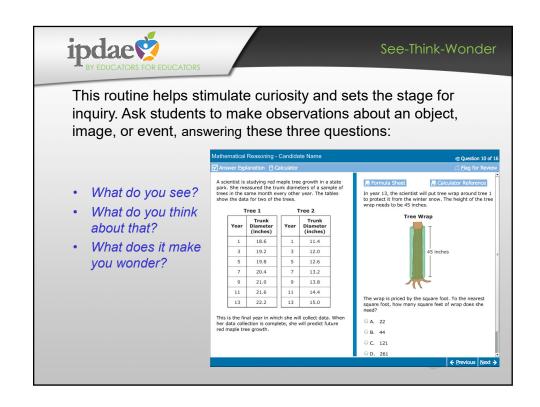
- 1. Headlines
- 2. Connect-Extend-Challenge
- 3. See-Think-Wonder
- 4. Compass Points

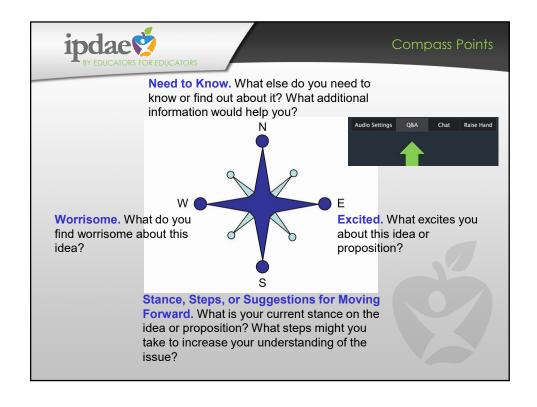


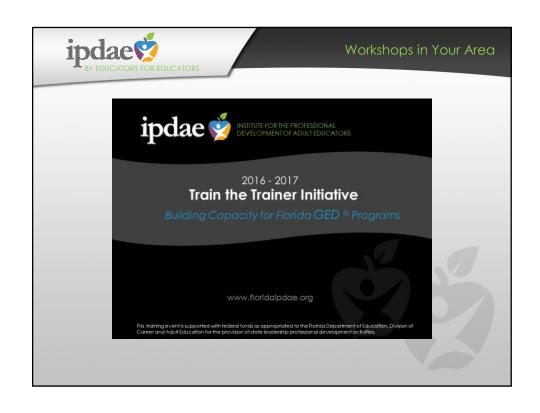


















### In this webinar, participants:

- Increased their understanding of how to make students' thinking visible through application of simple routines.
- Thought about ways on how to improve instructional strategies that would allow students to make their thinking visible.
- Applied some of the thinking routines in understanding the Making Thinking Visible Framework.





