

Biggest Bang Theory

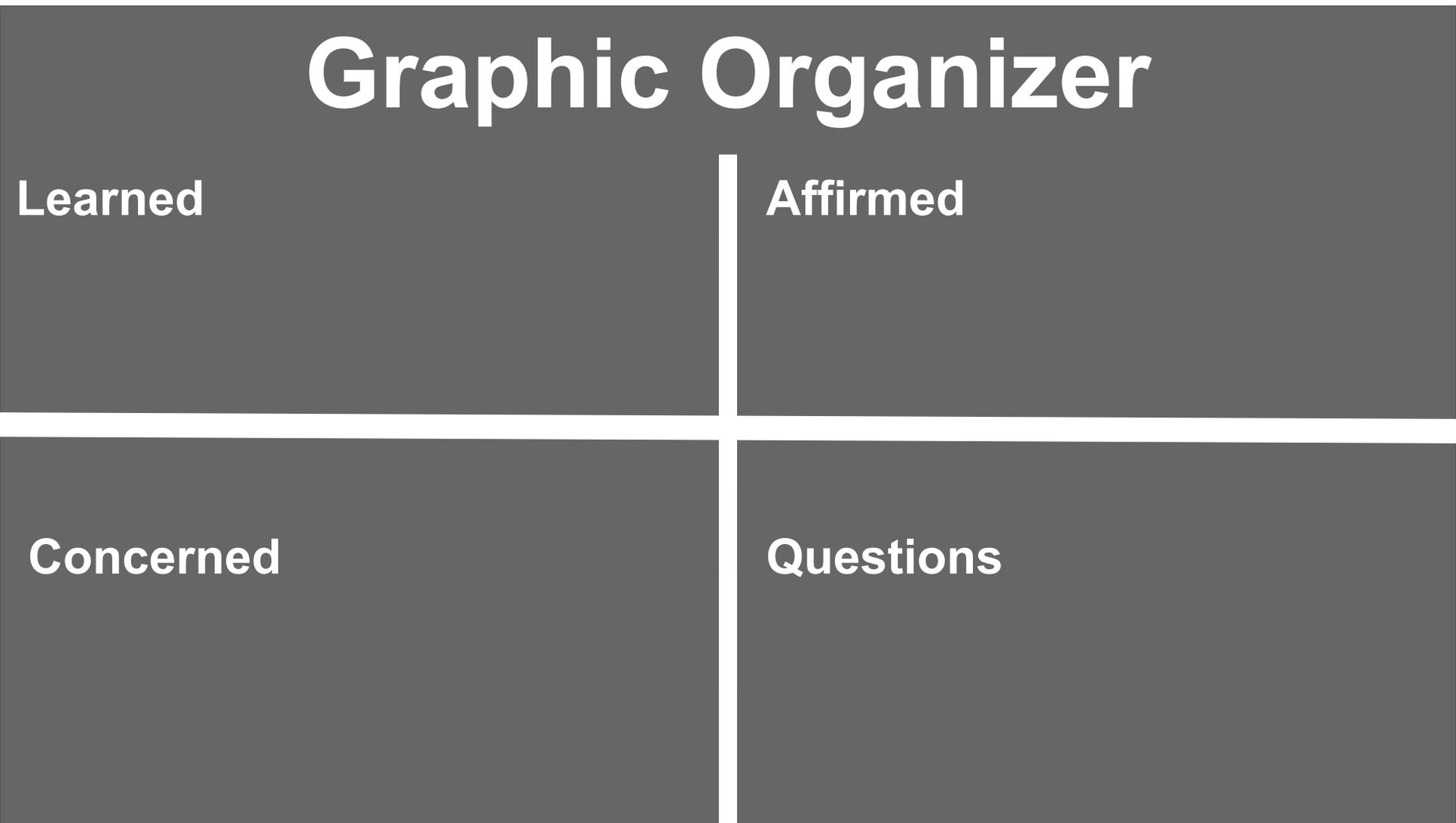
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Goal



Discuss current research and its implications for guiding effective learning and teaching.

Graphic Organizer



Learned

Affirmed

Concerned

Questions

The bar for deciding
'what works' in teaching
and learning is so often,
inappropriately set at
zero.

John Hattie's Research

900+ Meta-Analyses

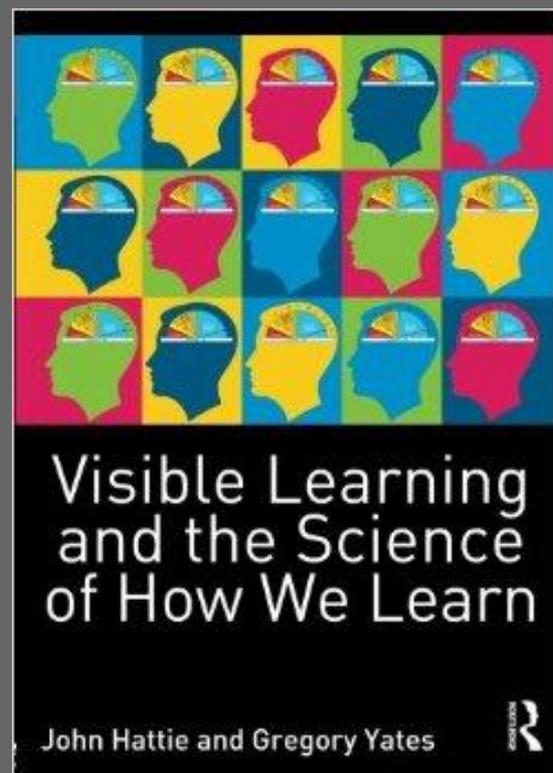
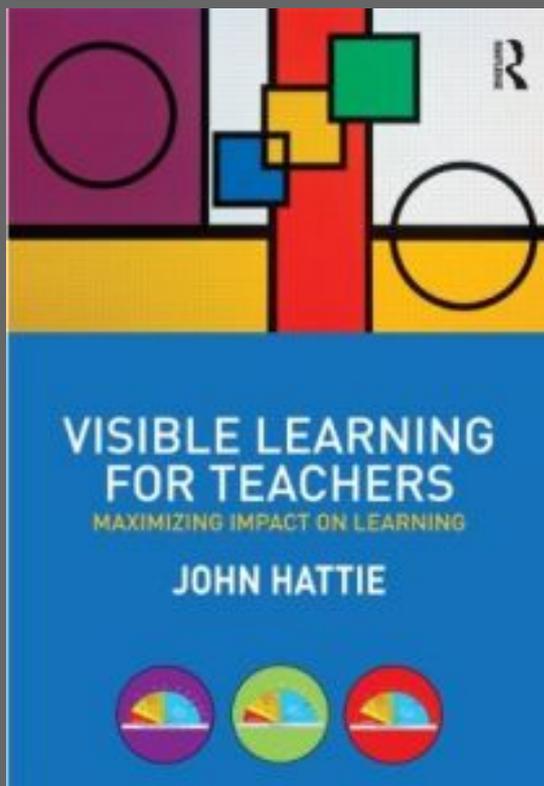
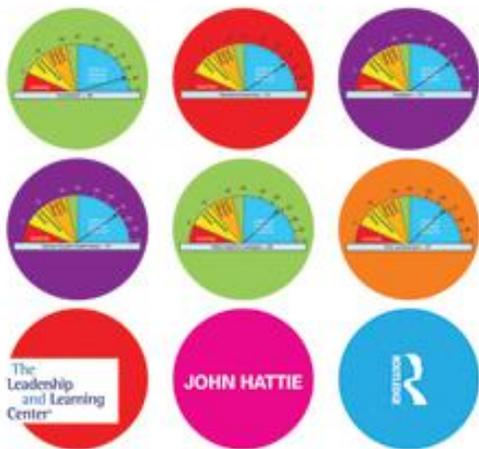
50,000 Studies

250 million Students

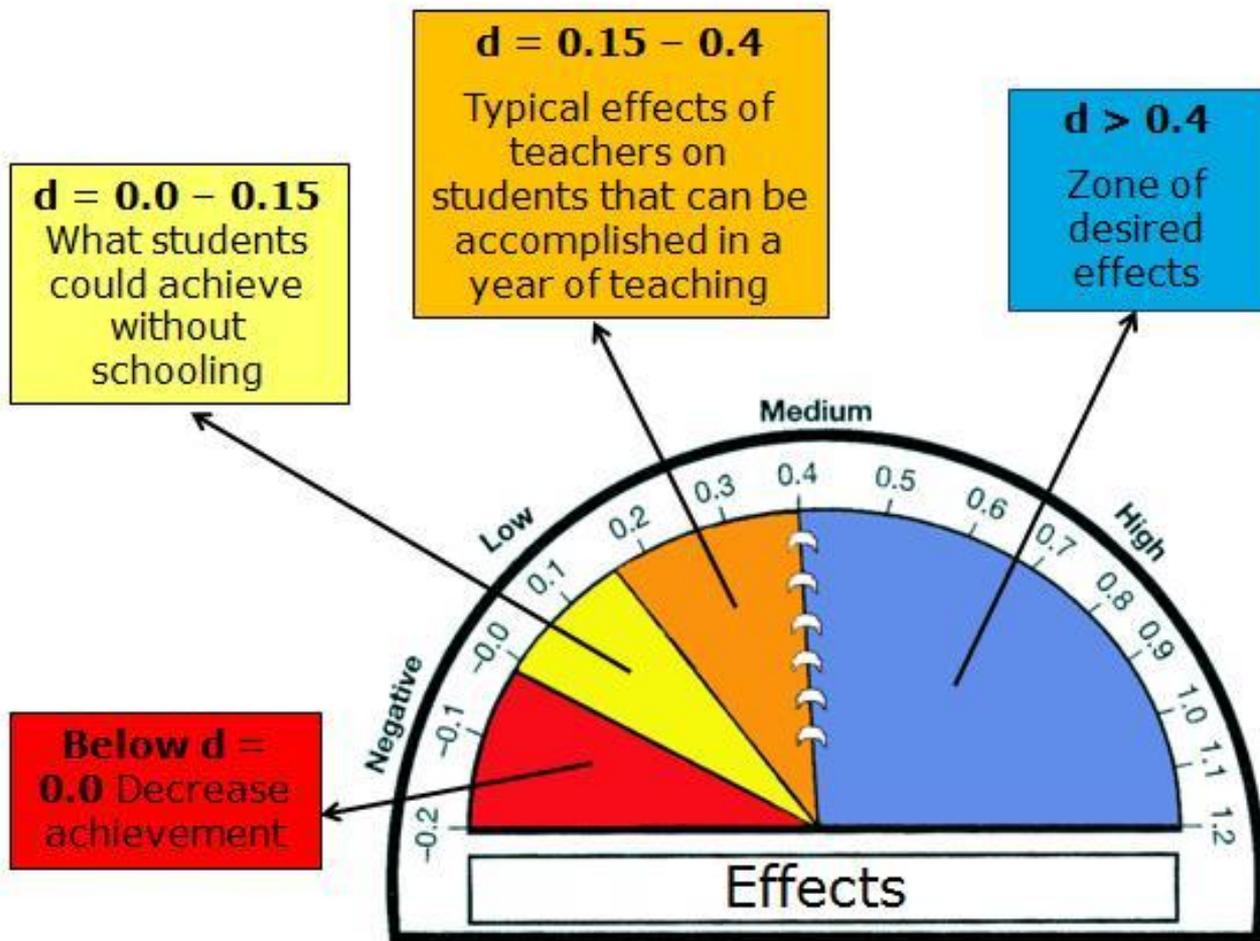
VISIBLE LEARNING

A SYNTHESIS OF OVER 800 META-ANALYSES
RELATING TO ACHIEVEMENT

"Reveals teaching's Holy Grail"
The Times Educational Supplement



Barometers of Influence



Influences

Low positive impact on student achievement

Medium positive impact on student achievement

High positive impact on student achievement

Directions for Kahoot

Find a friend or two

Access One Device

Influence will be given

Discuss

Vote via Kahoot

Influences

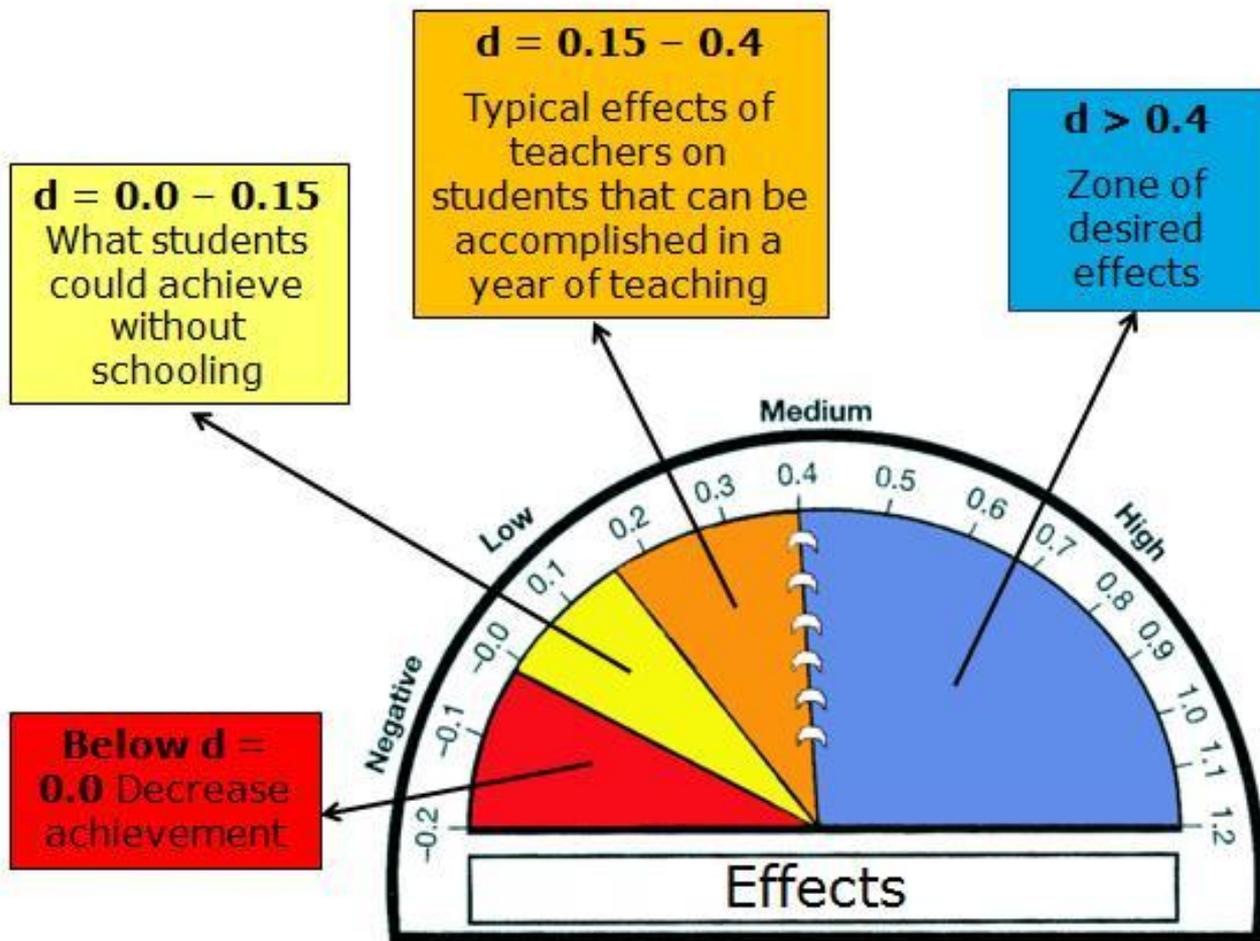
Low positive impact on student achievement

Medium positive impact on student achievement

High positive impact on student achievement

Influences “guessing game”

Barometers of Influence



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Debrief the Game

Conversation

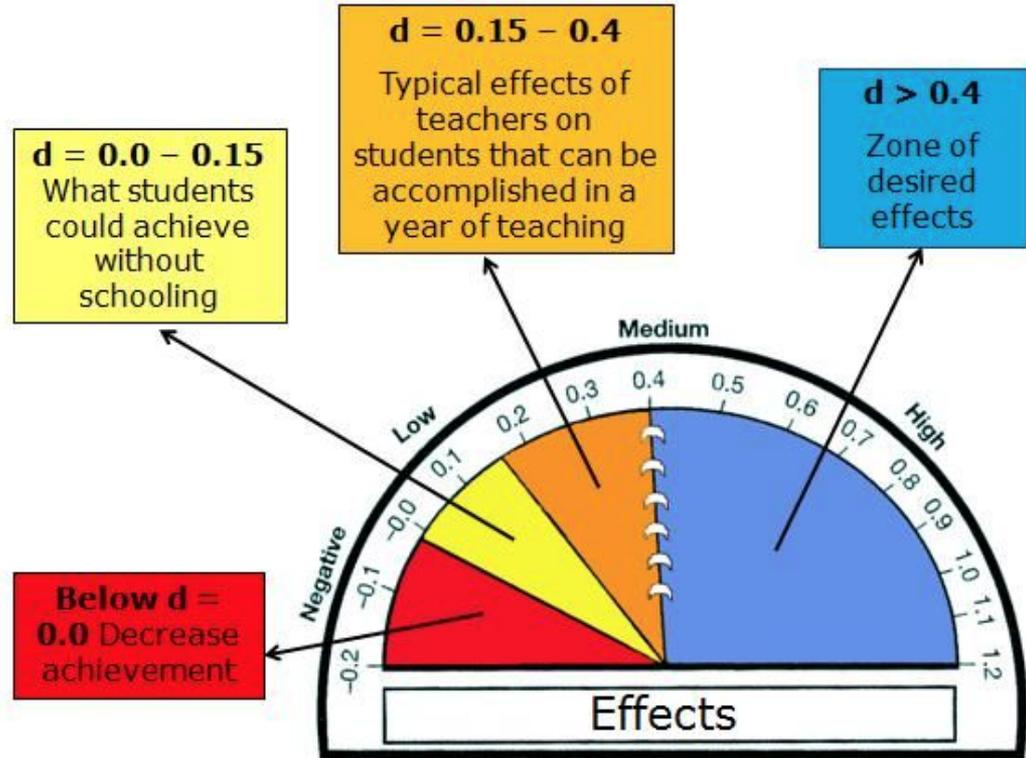
Did you know the answers?

Collaboration not Competition

The Barometer and Factors

- Child
- Home
- School
- Curricula
- Teacher
- Teaching

Barometers of Influence



What's Near the Top?

Collab. Expertise - 1.57

Spaced vs Mass Practice - 0.71

F. Assessment - 0.90

Meta-Cognitive Strategies - 0.69

Feedback - 0.73

Classroom Discussion - 0.60

Microteaching = 0.88

**Cooperative vs Individualistic
vs Competative - 0.59**

Formative Assessment & Feedback

Formative Assessment

They are designed to:

1. Give meaningful feedback to teachers about their practice and to students about their understanding.
2. Improve professional practice and student achievement.
3. Identify students who are experiencing difficulty
4. Provide additional time and support to acquire the intended skill or concept

Microteaching

Microteaching

Designed to:

1. Give meaningful feedback to teachers about their practice and about student understanding.
2. Improve professional practice and student achievement.
3. Identify students who are experiencing difficulty
4. Provide additional support to acquire the intended skill or concept (for teacher)

What strategies do we have in place to make these two powerful influences part of our culture? Part of the norm?

Collaborative Expertise

**How are we leveraging
technology?**

Know Thy Impact

1. What do you notice?
2. What is your evidence?
3. What are you going to do about it?
4. When will you reassess?

Closure & Reflection

O - What did you learn today?

R - What were you thinking after we played the guessing game about learning influences?

I - How can you use what you learned to make decisions about effective school and classroom practices?

D - What one thing will you change, add, or refine in your classroom to make a difference this fall in your school or classroom?

Contact Me

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Know the *nature and*
magnitude of your impact on
the learning of your students.
And then, adjust your teaching
accordingly.

Peer Assessment & Feedback



Student Work

Step 1...Know Thy Impact

Socrative

Polleverywhere

Google Forms

Quizzes in our LMS

Kahoot

Clickers

Plickers

But there is a Step 2...

How are we altering our teaching to reflect the learning that has or has not occurred?

Teacher Observation

Step 1 is Observation

“Rubric”

Video

Audio

Step 2 is Feedback

**Coach student for growth
and provide additional
opportunity to
demonstrate
understanding**

Self Reporting / Reflecting

Step 1 - Students actively learning

Step 2 - Opportunity to consolidate the learning and reflect in reference to learning goals.

Google Docs

Twitter

Back Channel

Blogs

Digital Conversations



3. Errors and trust
 4. Maximize feed
 5. Getting the pro
 6. The Goldilocks practice to att
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