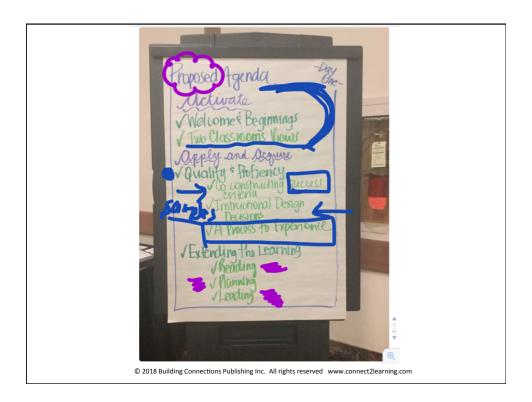
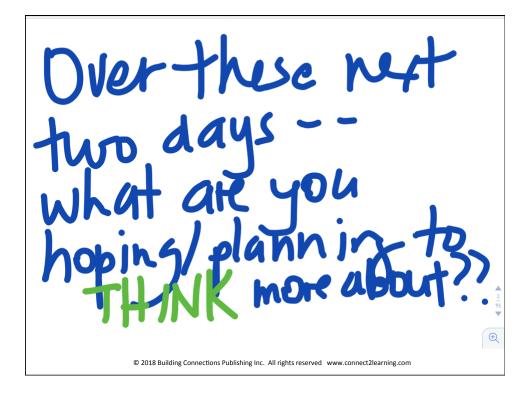
## The Thinking Symposium: A Focus on Assessment

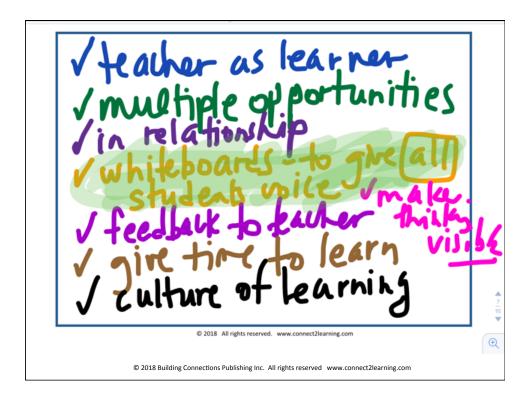
with Sandra Herbst September 2018







In what ways does Rob inform and support your understanding of assessment *for, as,* and *of* learning?





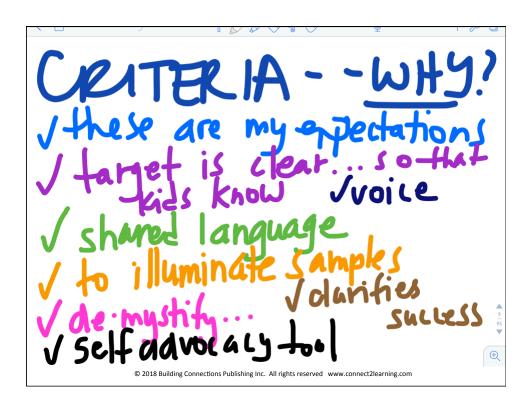
## Seven Actions of Assessment for and as Learning

#### Students...

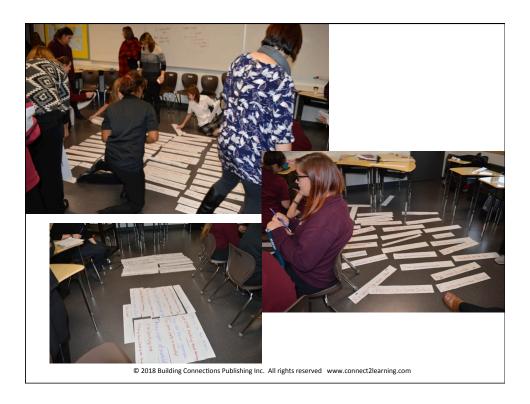
- Have a clear learning destination
- Use samples to understand quality and development
- Participate in the co-construction of criteria
- Are involved in feedback cycles to feed the learning forward, including self- and peer assessment
- Collect evidence to prove that they have learned
- Set goals for their next steps
- Communicate their learning to others, both formally and informally

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In what ways does Max inform and support your understanding of assessment *for, as,* and *of* learning?





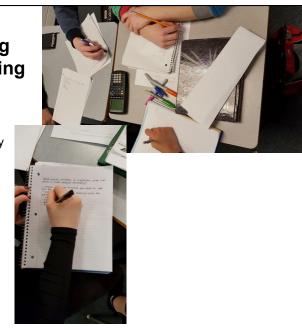


Criteria   Details
No put downs     Don't interrupt     Encourage others     Ask when don't understand     Clarify what the speaker means     Give time to answer     Listen carefully     Restate what someone has said before we talk  We talk in ways that all of us will learn more about the topic  Support opinions with evidence     Piggyback off of others' ideas     Build on another's ideas "What
more about the topic  Piggyback off of others' ideas Build on another's ideas "What
Stay on the topic  We support our ideas and positions with evidence  Use appropriate ideas  Use vocabulary that connects to the topic  Make personal or world connections to the topic  Share both points and counterpoints
We pay attention to our bodies and our voice  Speak loudly Speak clearly No sidebar conversations Face the speaker Use gestures to explain our ideas

## Co-constructing criteria...collecting evidence...providing feedback

Students brainstorm what they already know about solving problems completely.

Practice giving feedback and collecting evidence of learning on work that is not from any student in the classroom



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# Co-constructing criteria...collecting evidence...providing feedback

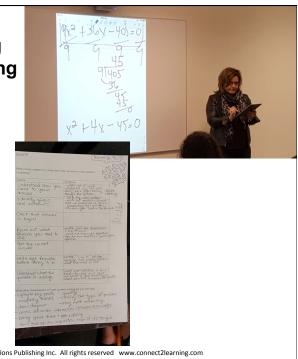
Gather and post the initial ideas





#### **Co-constructing** criteria...collecting evidence...providing feedback

Students select seven details to put into their feedback form. Teacher solves a math problem in multiple chunks. Students write down the evidence that they see in the model related to each detail. They also add anything else that they notice that would make the criteria more complete.



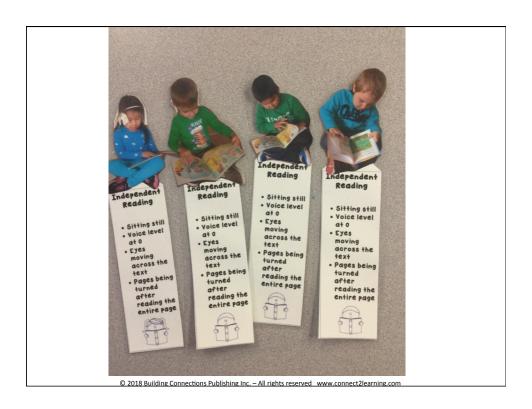
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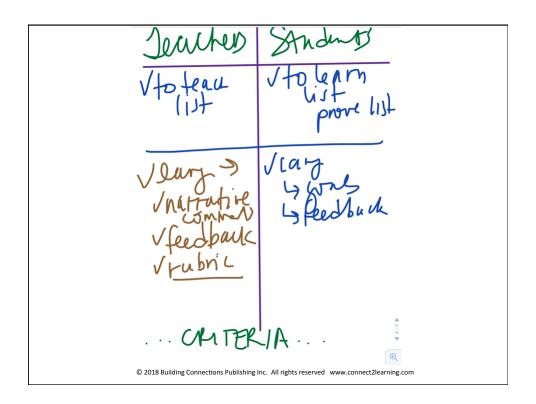
#### **Co-constructing** criteria...collecting evidence...providing feedback

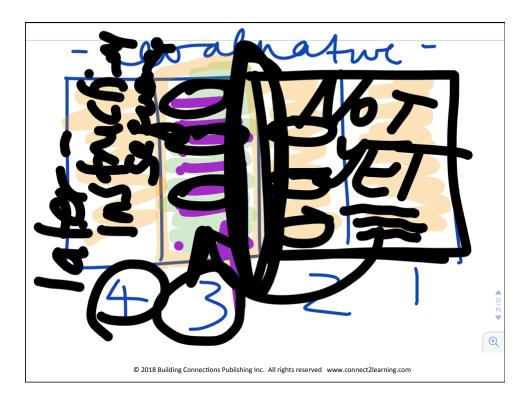
Gather and post the additional ideas that were noted through the modelling sequence



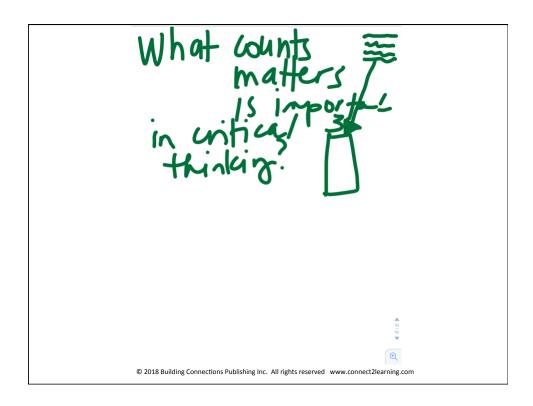


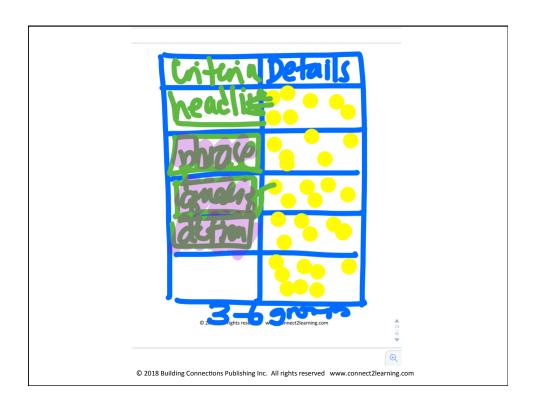


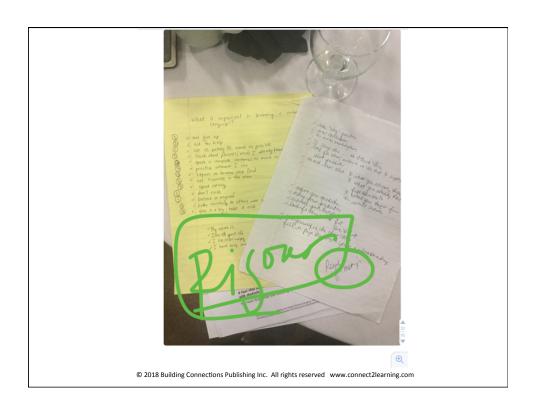


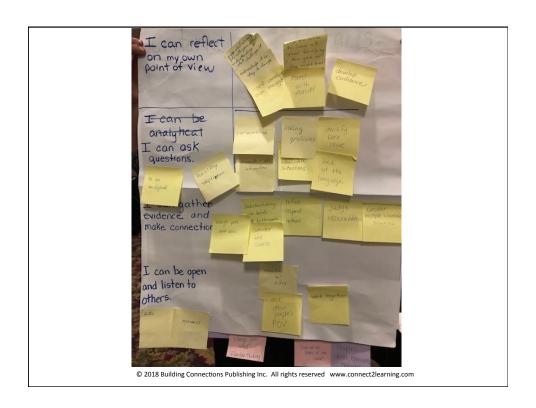


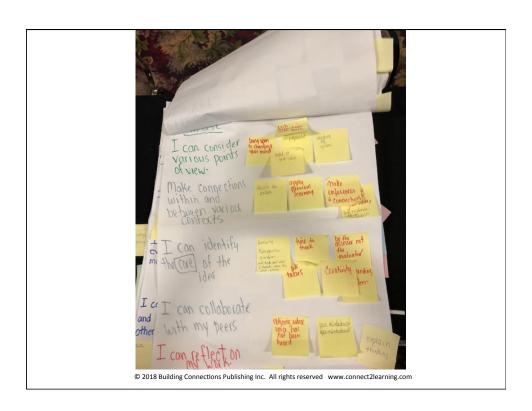
We need to make sure that our assessment and evaluations are fair and that means that we need to use all the same assignments, tests, and tasks to determine a grade or mark.

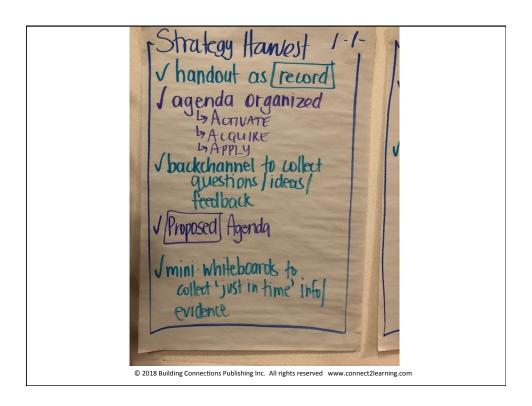


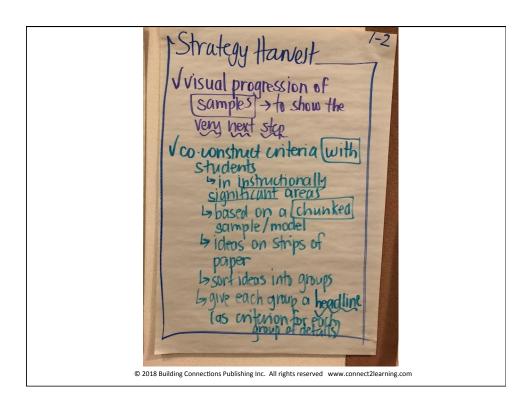


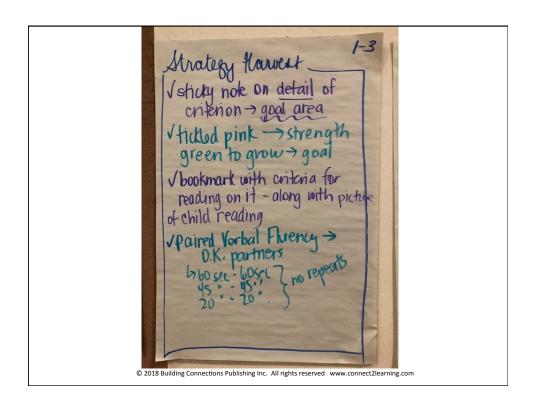


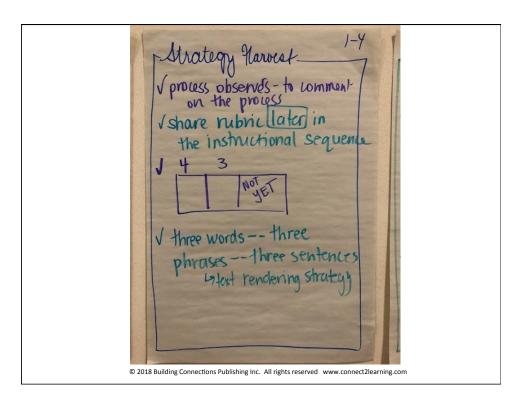










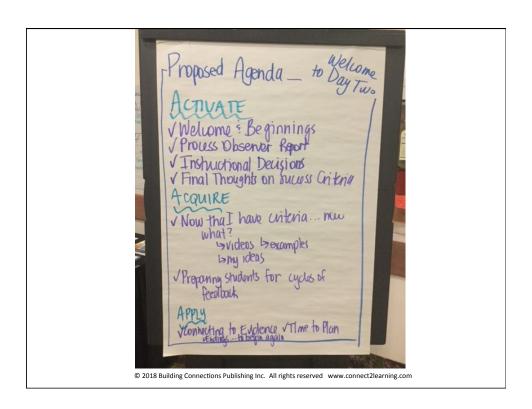




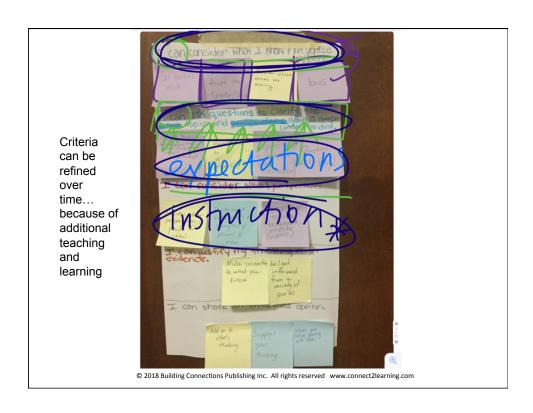
with Sandra Herbst

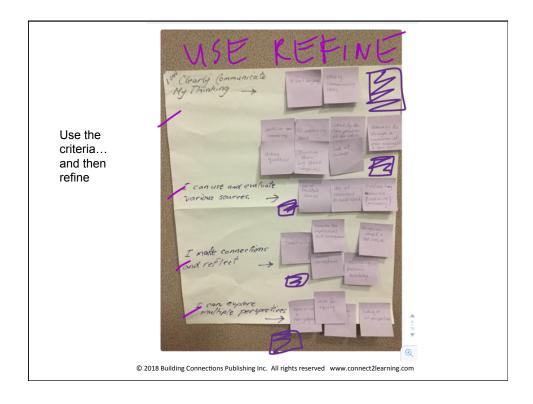
September 2018

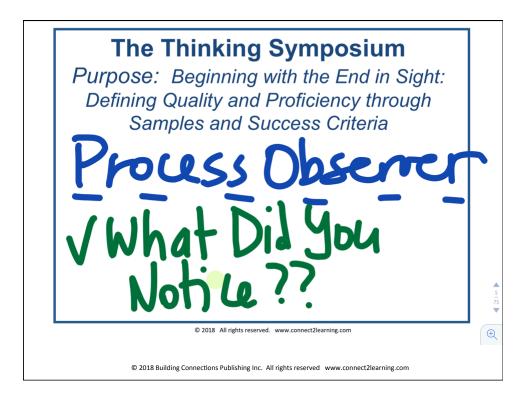


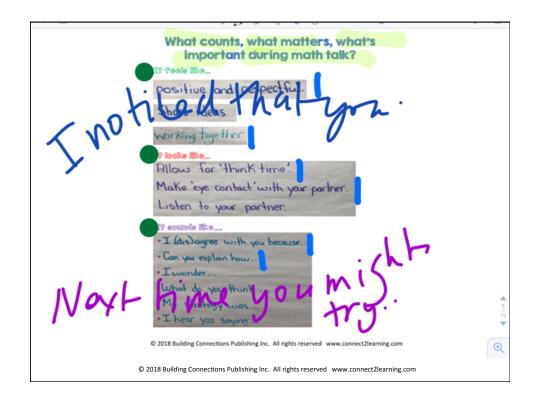




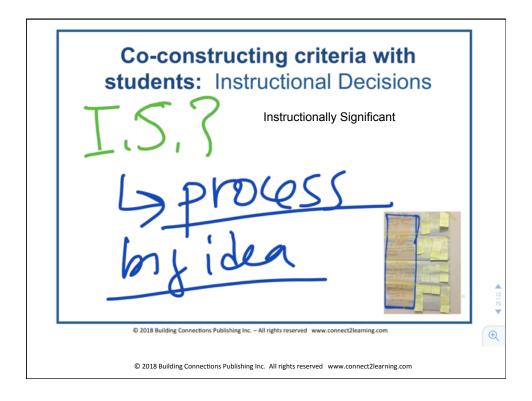












What counts, matters, and is important when I justify my math thinking to someone else?

Criteria	Details
I can help others "see" my thinking, step-by- step	Tell what you did first Talk about your work step-by-step Tell what you did at the end Describe your thinking in order Tell how you organized your work Describe your thinking in detail
I can talk about the math decisions that I made	Show how your thinking changed Tell how you corrected any errors Explain why you did what you did"I did this because" Talk about how you used what you already knew to do well Talk about your decision to solve the problem in this way Tell why your answer is reasonable Talk about the connections your were making to other math problems as you explain your thinking
I act like a mathematician	Prove that you think before your talk/explain Keep trying to explain when it feels that it doesn't make sense Explain something in a different way

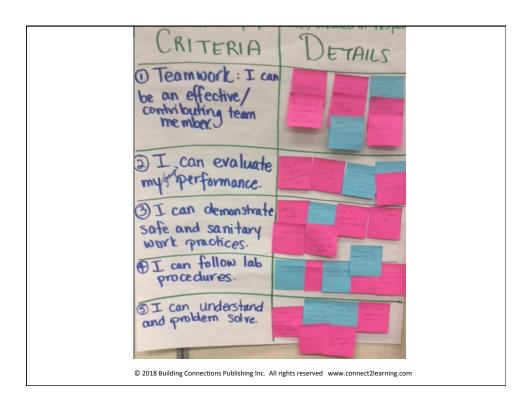
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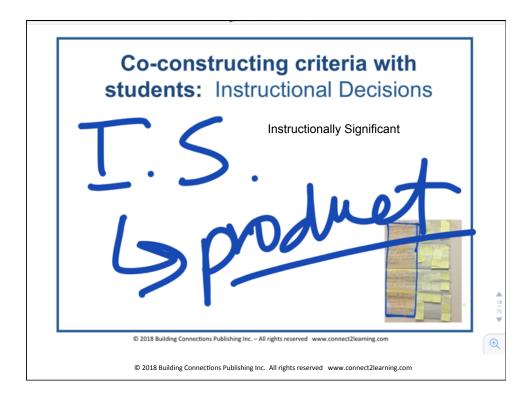
What counts, matters, and is important when I reflect on my learning and experiences?

Criteria	Details
I can think about what happened so that I can understand it better	Give proof for your thinking Acknowledge what was easy Acknowledge what was easy Acknowledge what was more difficult Make connections to similar experiences or learning Make connections to experiences outside the classroom Describe what happened to cause you to think in this way Describe how the learning occurred Replay your thoughts Be detailed in your thinking Analyze what happened Summarize the learning or the experience
I create new understandings or learning	Discuss the implications of this learning or experience on future learning and experiences Discuss the application of this learning or experience on future learning and experiences Give proof for my new learning Identify new learning Ask yourself questions
Others can understand my thinking	Uses language likeAs I think aboutI am making connectionsAs I reflectI wonderetc. Use clear language Reader or listener can create a clear picture of what happened

## What counts in a good employee for a job placement?

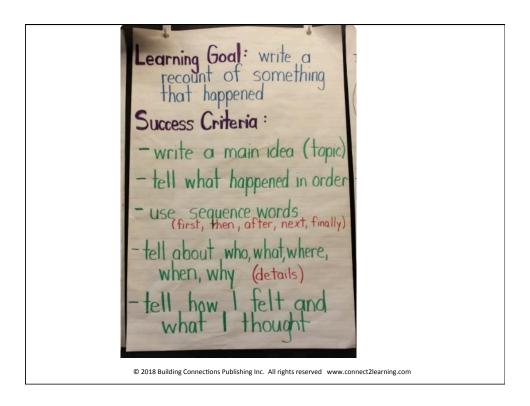
Criteria	Details
I am respectful at the workplace	Use appropriate language Be kind to others at the workplace Keep the stuff you learn there about the business, employees, and customers confidential
I have a positive attitude at the workplace	Show that you are happy to be there     Be enthusiastic     Be friendly     Support your co-workers; help them out     Engage with your co-workers and your supervisor
I take initiative at the workplace	Ask questions     Be willing to help in any situation     Take the lead when asked
I am responsible at the workplace	Be on time Pay attention to the people you are working with Stay off of the phone Follow through on what you say you will do



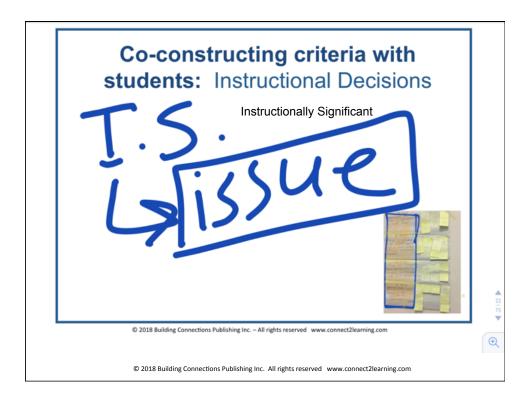


#### What counts in a science lab report?

Criteria	Details
My introduction clearly	Background information is researched
introduces the lab	Background information is cited
	Hypothesis is stated
	Ifthenformat is used and explained
Materials and methods are	Materials are identified
identified	Amounts are specified
	Steps are easy to follow
	Written in paragraph form
Data is collected	Data is complete
	Data is relevant
	Tables are easy to read
	Units are provided
	Graphs are labeled
	Graphs show trends
Conclusion is identified	<ul> <li>Conclusion summarizes the experiment</li> </ul>
	Data is cited
	Hypothesis is addressed
	Sources of error are cited
Report is of high quality	Report is organized
	Report is cohesive
	Contains no machanical arrors

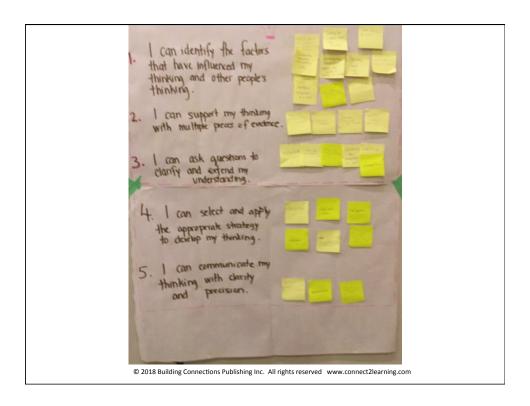


Success Criteria	Details/Specifics
Snappy Title	•
Make sure it is organized and in the proper format (circle)	Format MLA  Works cited  Cite sources  Multiple sources  Mechanics  Neatness  Expert – involved first hand  Organization  Expert – legitimate  Name  Expert – published  Date  Introduction to pro side and end with blunt clear statement
It must have relevant content (Square box)	Multiple sources  Different kinds of Sources  Using expert Opinion  Pictures - visuals  Multiple forms of research – interviews, books, news
Stay on topic and express both perspectives (straight line)	Balance both perspectives Long enough Research paper Get point across Not useless information Quotes or summary of expert opinion Factual information Need to make the argument  Two points of view Research paper Both sides Understand point of view Understand motivations
Clearly prove your point (clear thesis and conclusion) (wavy line)	Voice the argument Arrive at your own conclusion Clear thesis statement Firm conclusions Establish points clearly
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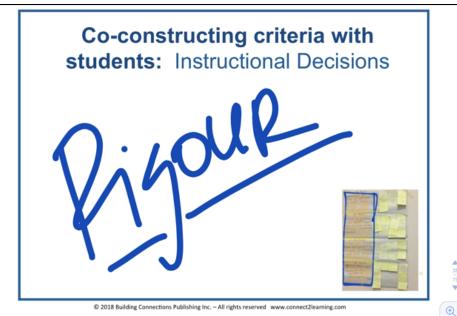


#### Qu'est-ce qui est important dans une discussion?

Les critères	Les details
Nous échangeons des idées respectueusement	Utiliser la langage respectueux Encourager les autres Donner du temps pour répondre Écoute attentivement Ne pas interrompre Demandons quand tu ne comprends pas
Nous parlons pour que nous pouvons apprendre	Poser de bonnes questions Utiliser des bonnes mots Utiliser le vocabulaire français Faire des liens personnels avec le sujet Rester sur le sujet
Faites attention à votre voix et votre corps	<ul> <li>Parler assez fort</li> <li>Parler clarirement</li> <li>Faire face à la personne qui parle</li> <li>Utiliser des gestes pour communiquer vos idées</li> </ul>







What are you going to model specifically? What will the sample need to include? What is quality?

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### Co-constructing criteria with students: Instructional Decisions

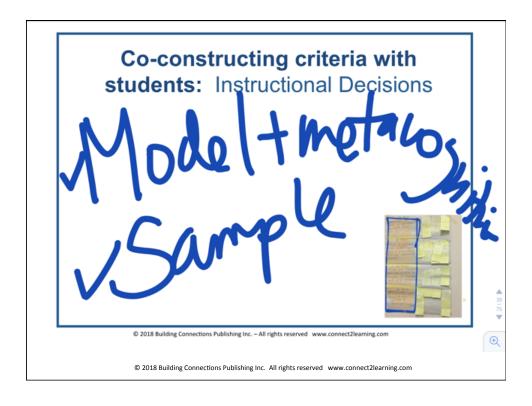
What counts, what matters, what is important when making observations during a science experiment?

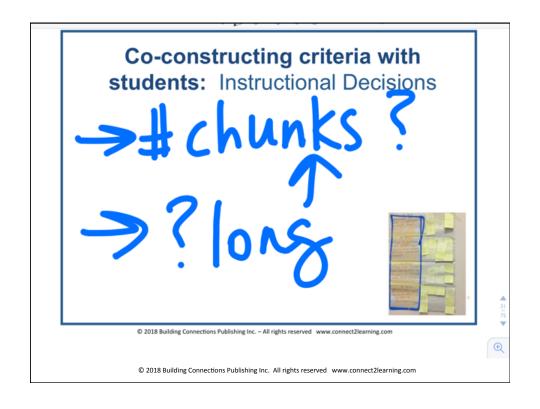
- make an appropriate table/organizer
- observations should be in order the experiment was performed
- observations should be taken before, during, and after the experiment
- qualitative and quantitative observations should be included (if appropriate)
- all measurements require appropriate units measurements should be done as accurate as the equipment
- qualitative observations should include colour, odour, state, clarity, lustre, viscosity, texture, where appropriate
- appropriate terminology should be used
- don't add your thoughts about what you see
- don't add in anything that you don't experience or see

What matters, what counts, what is important when we make inferences while we read?

An inference is understanding that which is not explicitly stated.

- Ask 'why' questions
  Draw conclusions
  Hake assumptions
  Think deas and evidence in the text to support what you think—It says this...so I think that...
  Connect clues in the text to what you already read or already know from your background
  Connect clues in the text to what you what you already know from other texts
  Connect clues in the text to what you already know from other texts
  Connect clues in the text to what you already know from the world outside of the classroom
  Confirm your predictions
  Change your predictions, your ideas
  Activate prior knowledge
  Answer the question, How do you know...
  Predict what will happen next
  Ask questions for why, what, where, when
  Look for things that fit together
  Look for things that fit together
  Fill in the gaps between the text and your understanding
  Put yourself into the character's shoes





### Summing up the process:

- Ask the question, "What counts in a \_\_\_\_?
- Examine part of a sample and brainstorm ideas.
- Record the ideas on strips so they can be viewed by all.





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### Summing up the process:

- •Examine another chunk of the sample.
- •Continue until all ideas have been surfaced.



## Summing up the process:

After students have finished their brainstorming teacher(s) notes anything else that might be needed showing an example in the sample.

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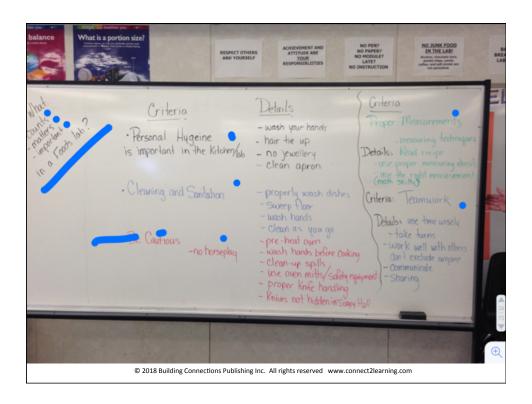
## **Using it:**

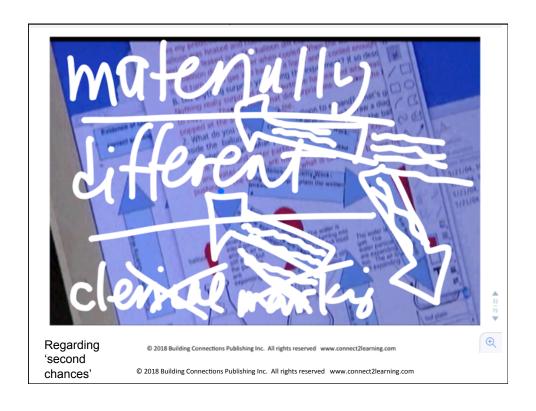
Then students practice by finding proof in...

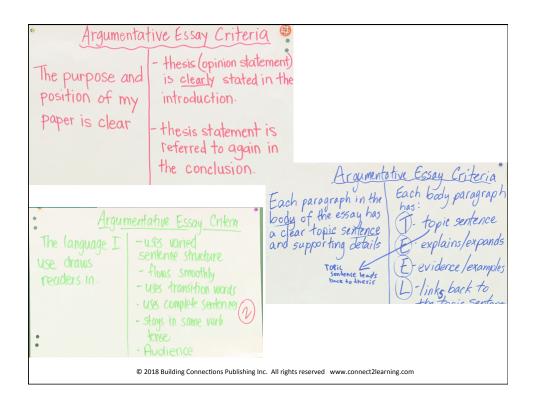
- -another sample.
- -in their own work.
- -in someone else's work.

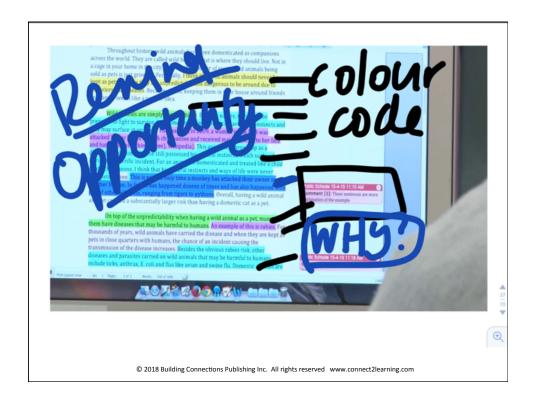




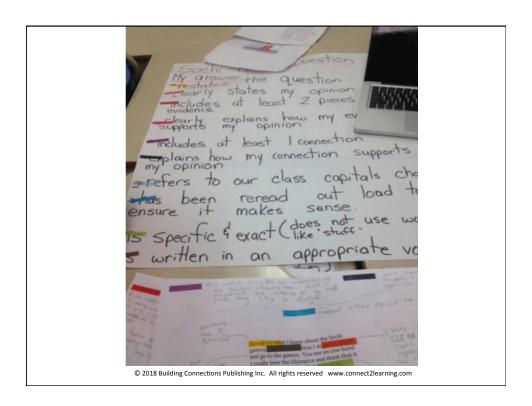


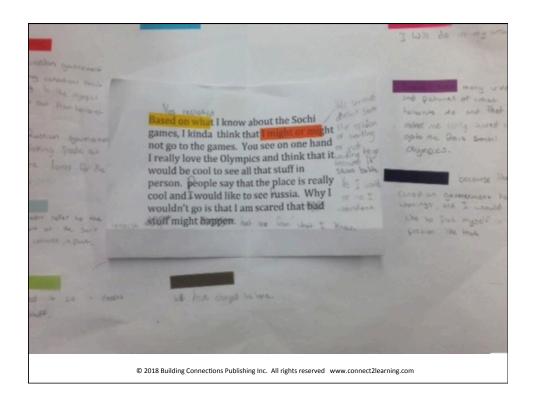


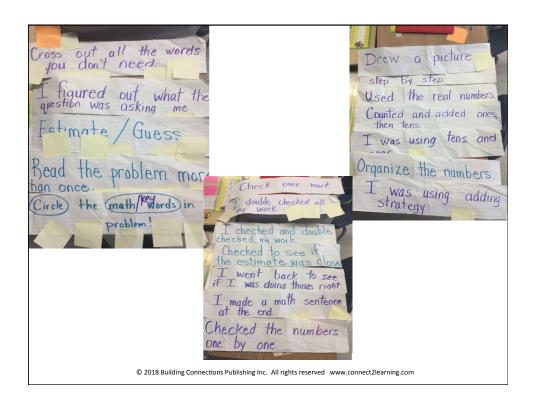


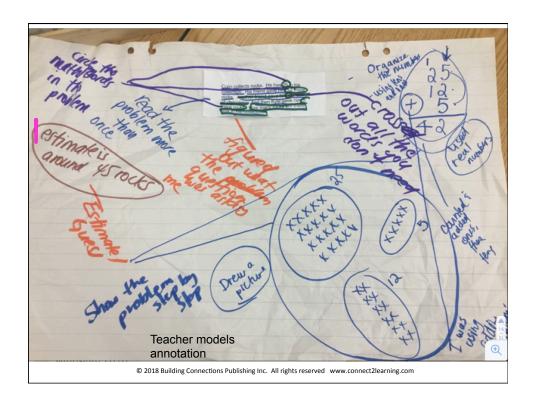


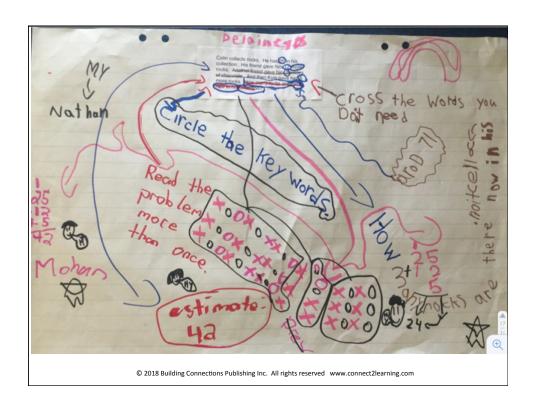


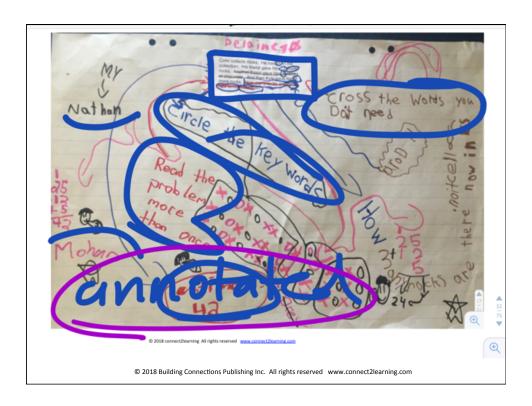


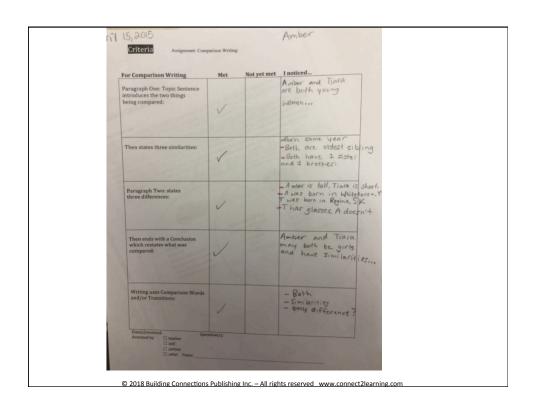


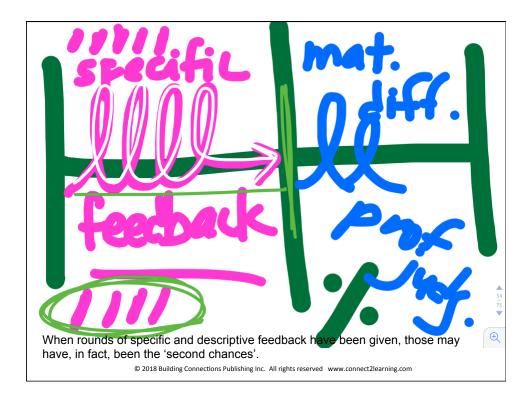


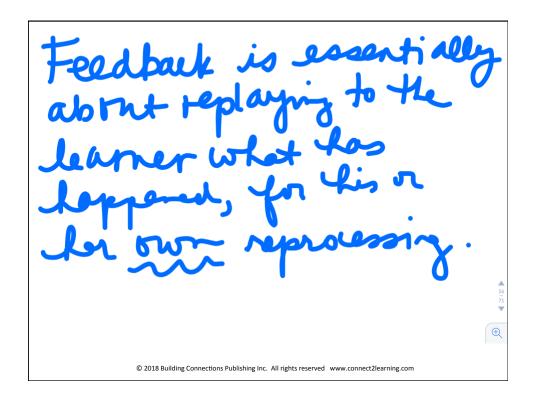




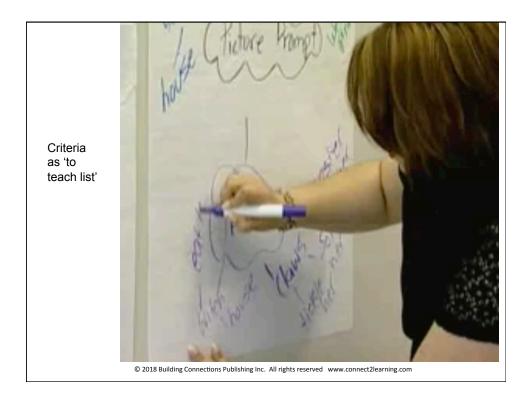


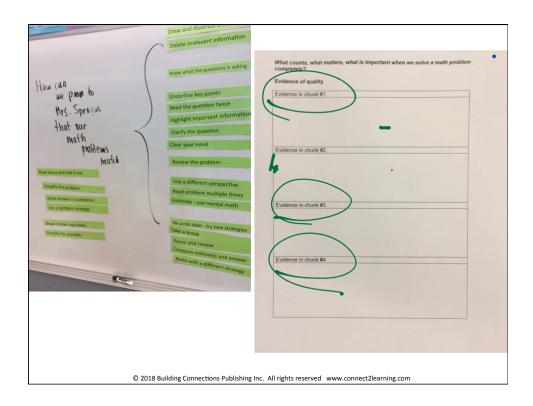


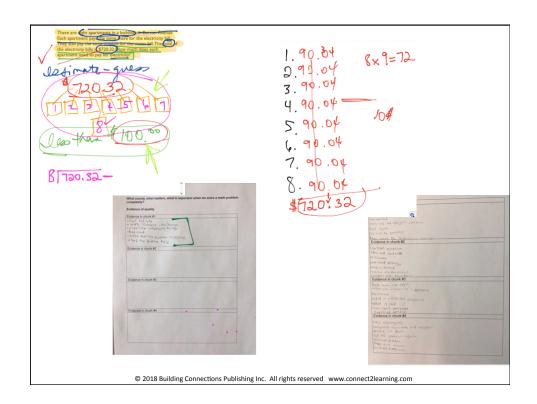


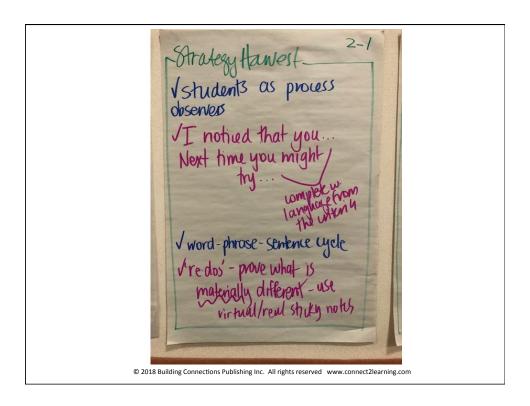


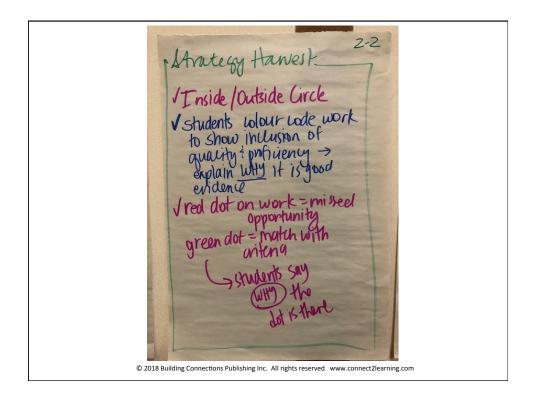


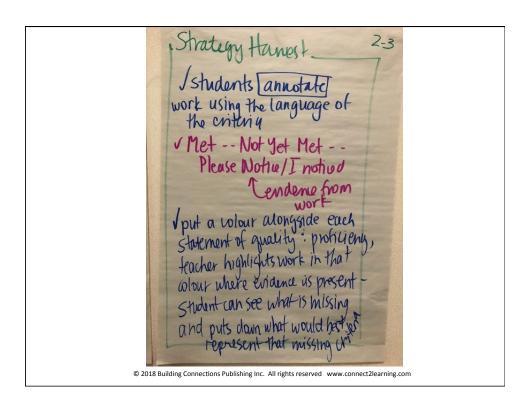


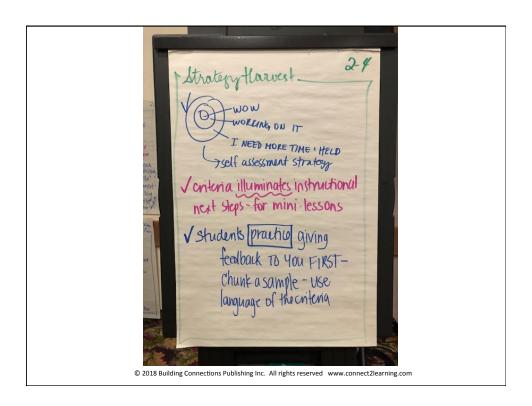














## Thank you!

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