NC STATE UNIVERSITY

K-2 Math Talk

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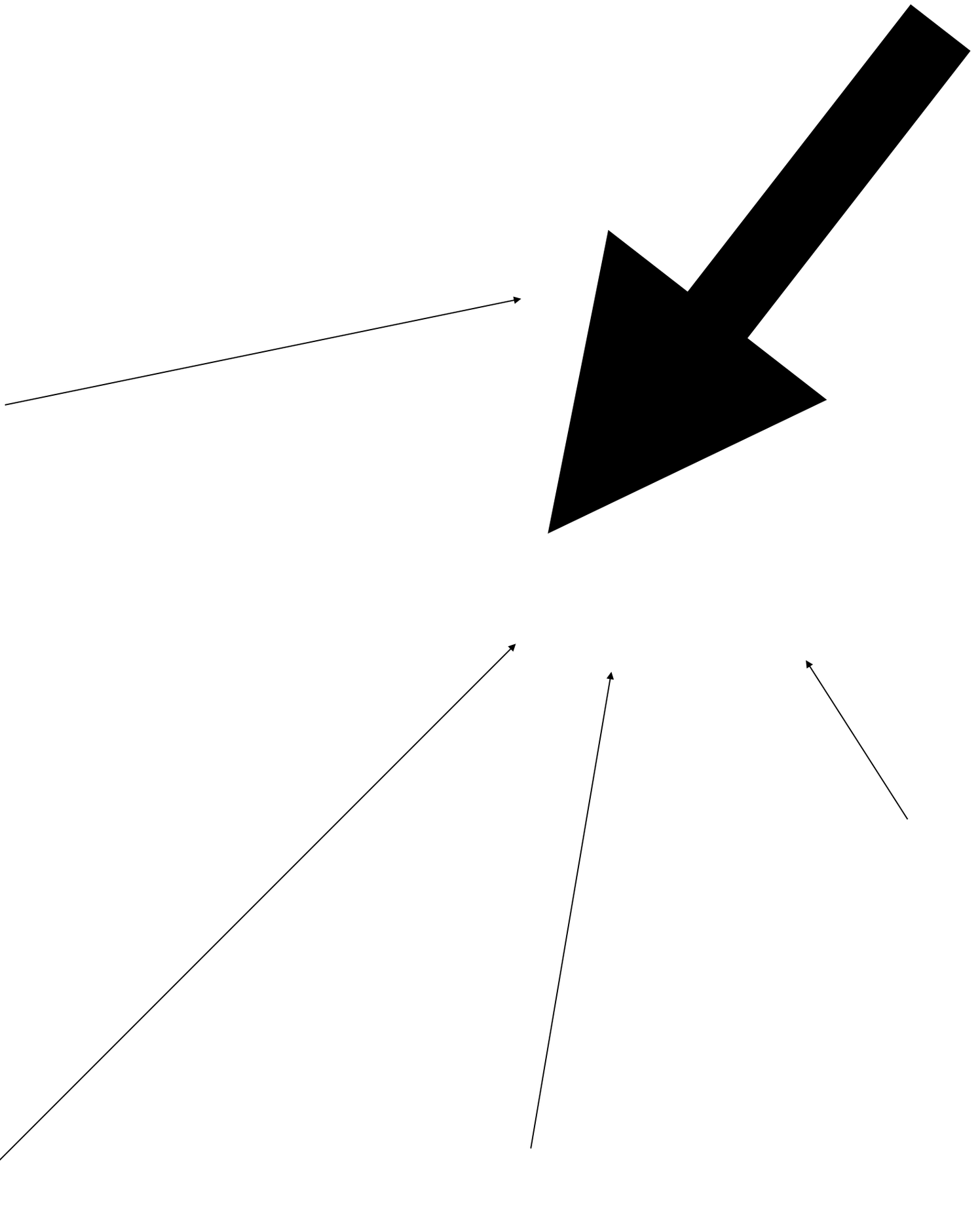
SAS High Five
Math Summit
August 5, 2015

Draw a Diagram of the way Math Class generally proceeds



Brainstorm

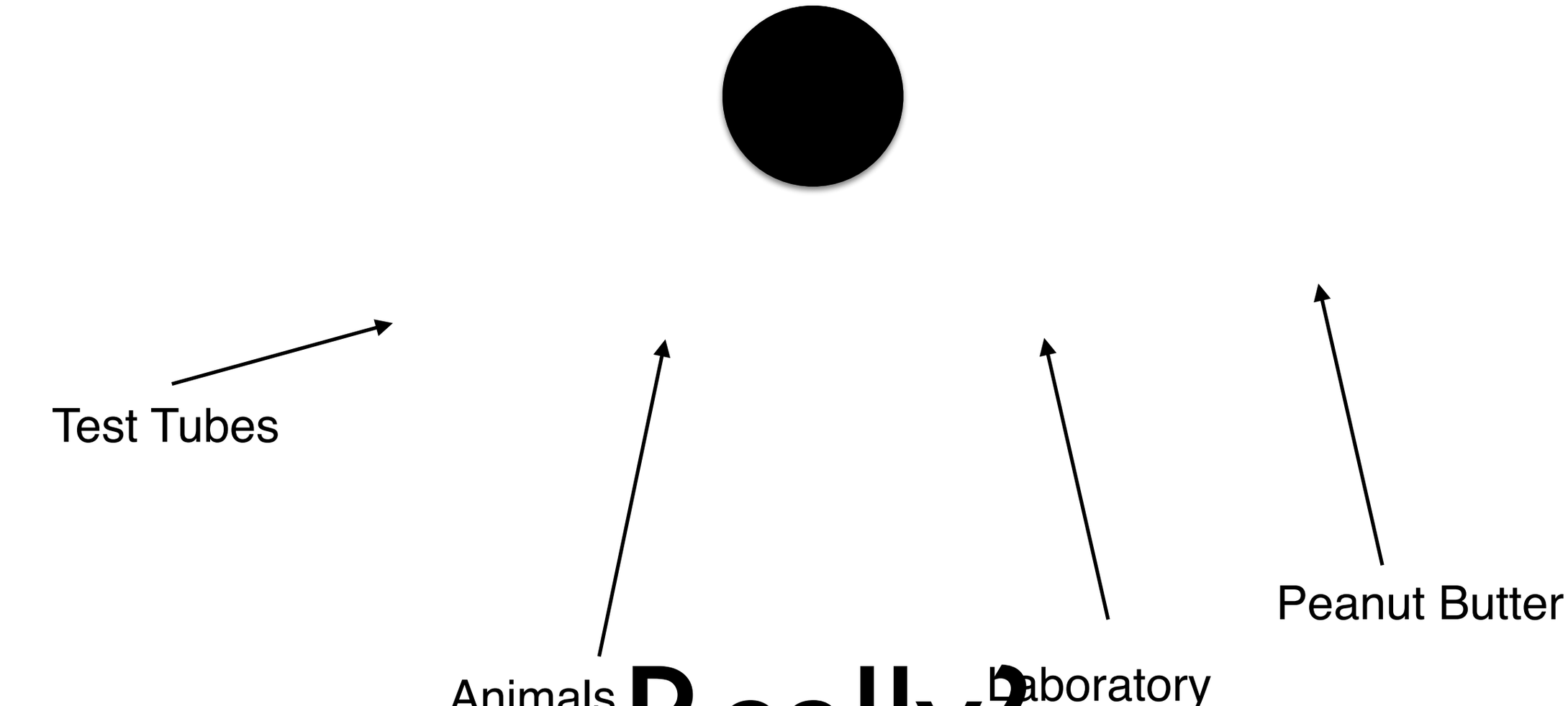
- Brainstorm with some people close to you: What is brainstorming and how do you use it in your class?
- Diagram Brainstorming

Diagram for Brainstorming

http://www.adventurous-soul.com/years-in-review/

Read 156 through 161

- Quick! How many pages is that?



I have to write that down?

What is science?

Implicit Messages: Brainstorming

- All ideas are equally strong
- Criticism hurts too much to engage in
- If you want attention, raise your hand and say anything at all
- Discussion is about Answer Getting and I am looking for the best ANSWER

What happens next?

Test Tubes

Peanut Butter

Can science be both in a
Laboratory and outdoors?

I think I know what you mean,
but I thought science was also about
other things like studying Animals in the outdoors

What is science?

Ask to Re-Voice instead

Peanut Butter

I think they are saying that science can be indoors or outdoors

Test Tubes

Can science be both in a Laboratory and outdoors?

I think I know what you mean,
but I thought science was also about
other things like studying Animals in the outdoors

What is science?

Test Tubes

Peanut Butter

Can science be both in a
Laboratory and outdoors?

I think I know what you mean,
but I thought science was also about
other things like studying Animals in the outdoors

What is science?

Read pages 162-163

Peanut Butter

Test Tubes

But Test Tubes isn't an action either

So maybe it is like Lorraine said,
like Studying Something?

Can science be both in a
Laboratory and outdoors?

I think I know what you mean,
but I thought science was also about
other things like studying Animals in the outdoors

I heard Gilda say Peanut Butter but I wanted to say that
I don't think Peanut Butter makes any sense.
I think that we need to say something like an action or something.

What is science?

Implicit Messages: Culture of Critique

- Some ideas are more powerful than others and can help us understand things more
- We can get to stronger ideas by building on our initial ideas
- Criticism is about our thoughts not about who we are as people and it helps us to think more clearly
- If you don't understand something, it helps to ask about what is going on

Integrate the ideas you will be getting around the power of criticism NOT around the idea of brainstorming

Clip 1 2.1a

- What structure is teacher using?
- Diagram it.
- Is it effective?
- Why/Why not?
- What is her purpose?

Clip 2 1.3a1

- What technique(s) is teacher using?
- Diagram the discussion.
- Is it effective?
- Why/Why not?
- What is her purpose?

Clip 3 1.1b

- What technique(s) is teacher using?
- Diagram the discussion.
- Is it effective?
- Why/Why not?
- What is her purpose?