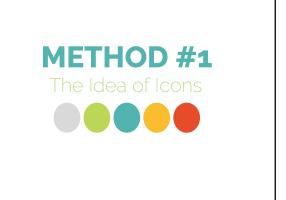




META IDEAS:

- Must share idea behind framework first. not just start showing pictures.
- Start with only one or two elements at a time. Slowly unroll, like a flower unfurling.
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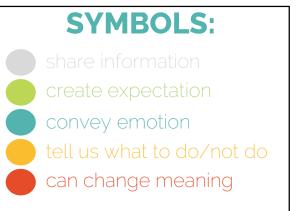
Must share idea behind framework first, not just start showing pictures.

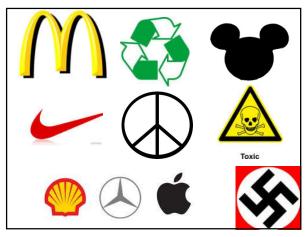


We are surrounded by symbols.

5 6

1





We're going to use

a particular set of

11 symbols to help

us engage with our

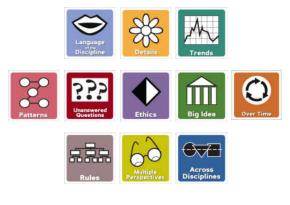
learning.

Think of a Symbol.

- be able to describe its

10

9



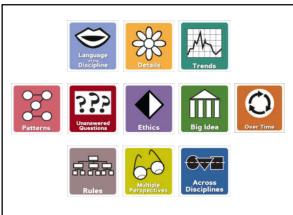
And they will...

give common vocabulary

tell us what to do/not do

change meaning

11 12





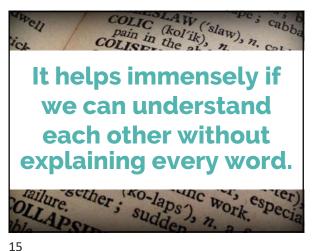
What does this mean?

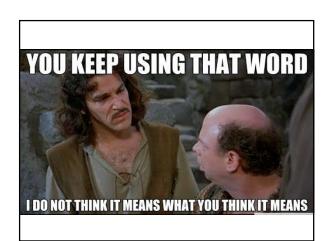
Ta | Danke | Merci | Gracias

14

16

18





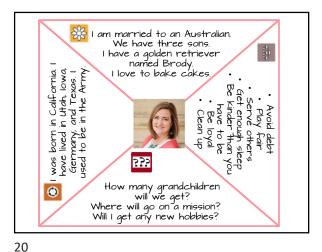


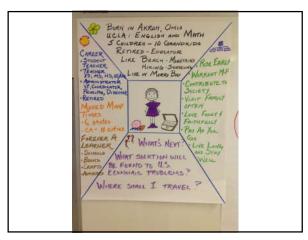
In learning, we need a set of vocabulary that lets us talk about things across a wide variety of subjects so that we can spend our time actually thinking, rather that just defining words.



17



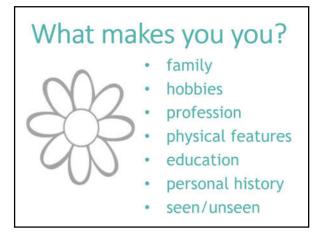




Start with only one or two elements at a time. Slowly unroll, like a flower unfurling.

21 22





23 24

Details





- essential nature
- data
- specifics
- parts

25



26

Details

- characteristics
- unique features
- essential nature
- data
- specifics
- narts



27



28



[choose from your discipline]

I have to have three sides.

I have to have three angles.

If one of my angles is 90°, I'm right.

The sum of my interior angles is 180°.

29

Can you think of another rule for triangles?



31 32

what if I decided a foot was now II inches, rather than 12?

What if I decided you needed an 85 to pass a class or that an A was now a 97?

directions
What happens if I decide to drive on whatever side of the road I feel like?
What If I started saying "left" instead of "right"?

33 34

methods
Why should people
follow the scientific
method?
Why do we have
specific methods for
doing things? Does it
matter?

Organization
What if every morning you woke up and everything in your house had been moved?
What if there were no Periodic Table?
Easier? Harder?

35 36

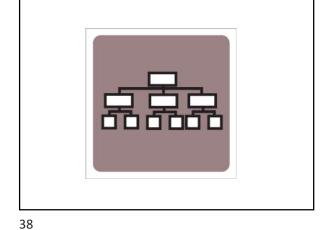


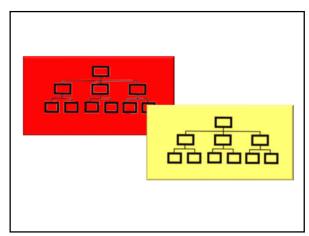
RULES INCLUDE:

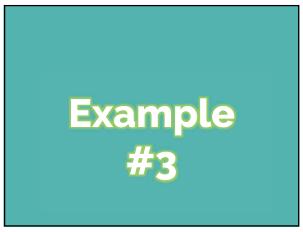
37

What if every day, you had no idea how you were getting home from school?

Have you ever known someone who was nice one day & mean the next?







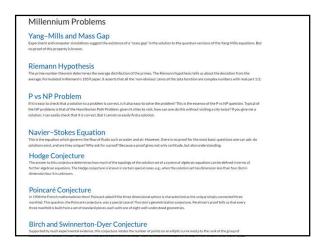
39 40





41 42





43 44



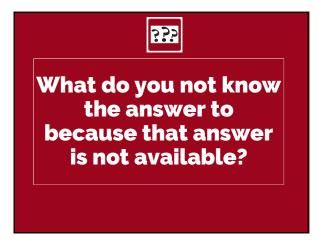


45 46





47 48



What is something you do not know the answer to but you could find with currently available knowledge?

49 50



What's a question you have for which there is no real answer?

How reliable is your go-to answer source?

What kinds of ?s cause disagreement?

Why do some kids thrive in school and others languish?

What is something your students often think about school that is wrong?

What something parents often believe about school that is not true?

52

51





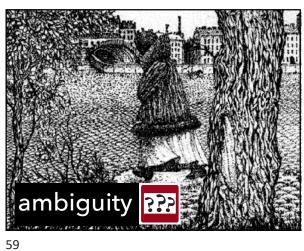
53 54

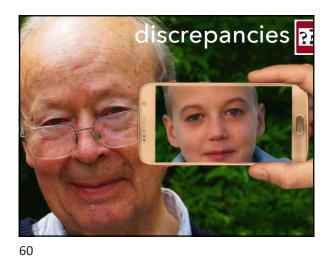








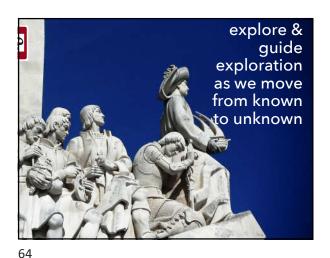












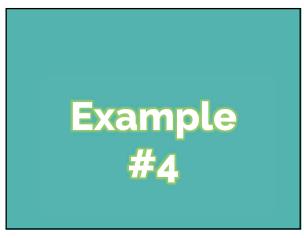


Always circle back to availability & reliability of resources. ذؤ ڏ

66 65

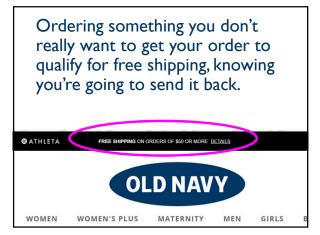


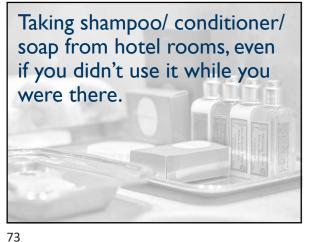


























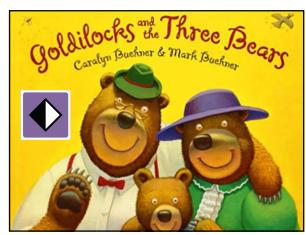
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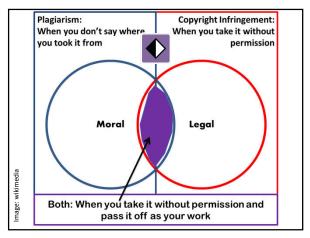
81 82





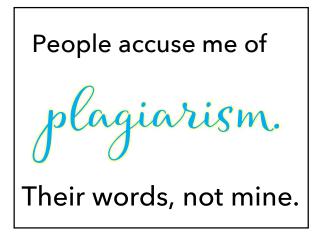
83 84





86

88



Move from known content to unknown, rather than new element + new content.

87



Now, we'll look at the water cycle with a different lens.

Volcanic steam

Volcanic steam

Steam

Atmosphere

Condensation

Surface

Fresh

Snowmelt runoff

Sireamflow

Evaporation

Fog and dew

Surface

Fresh

Sireamflow

Evaporation

Fresh

Sireamflow

Evaporation

Fresh

Wents and volcanos

The steam of the steam

89 90

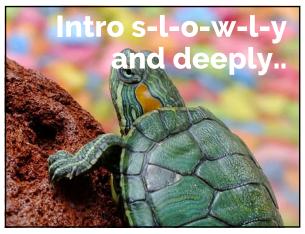
META IDEAS:

91

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Onboard students to each element.





93 94