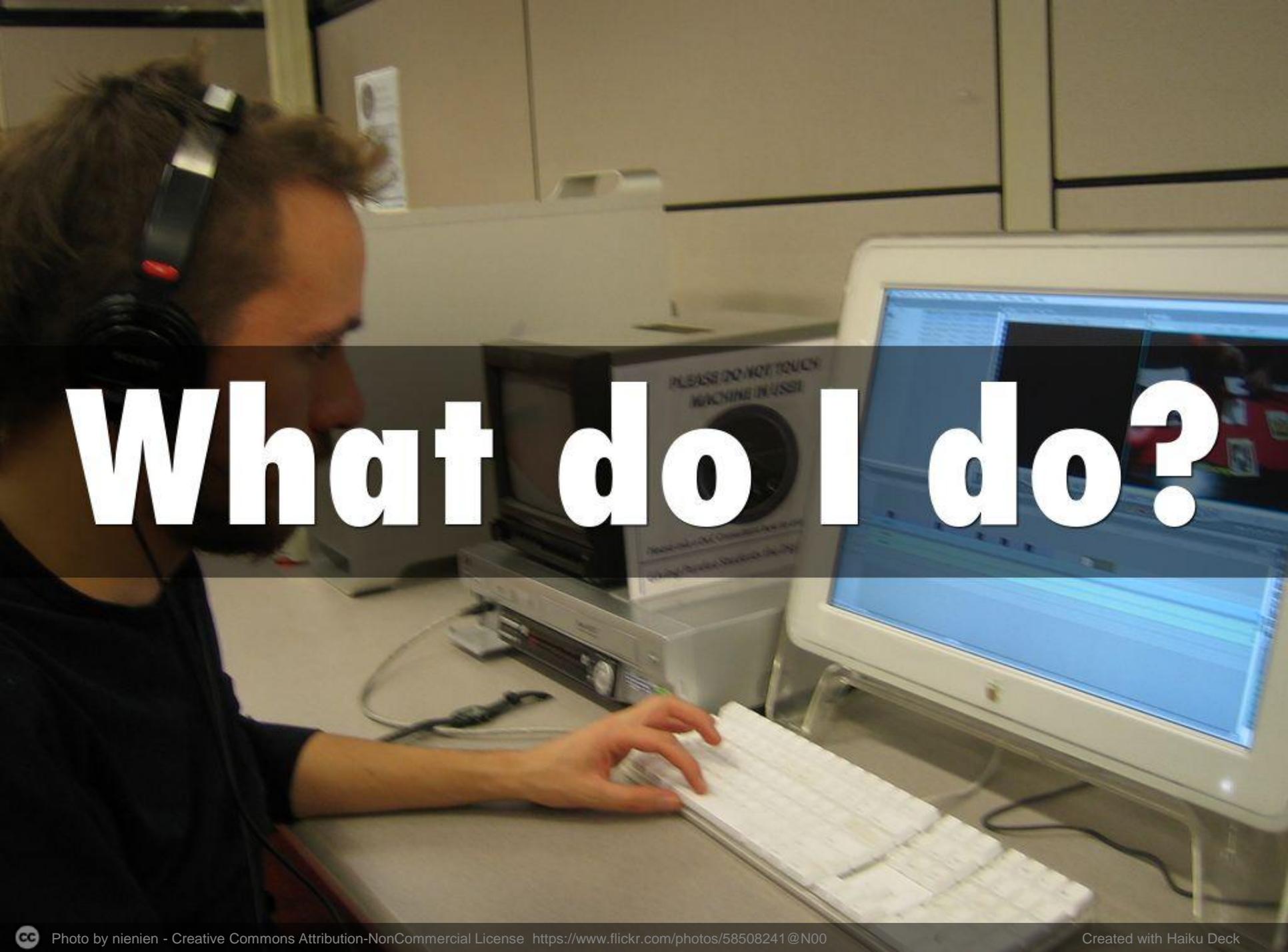




Bloom into Math

Bill Phelps- Instructional Specialist Somerset Community College



A man with a beard and long hair, wearing large black headphones, is seated at a desk in a computer lab. He is looking at a large white computer monitor which displays a blue-tinted interface. His right hand is on a white keyboard. In the background, there is a printer and a sign that reads "PLEASE DO NOT TOUCH MACHINE PLEASE".

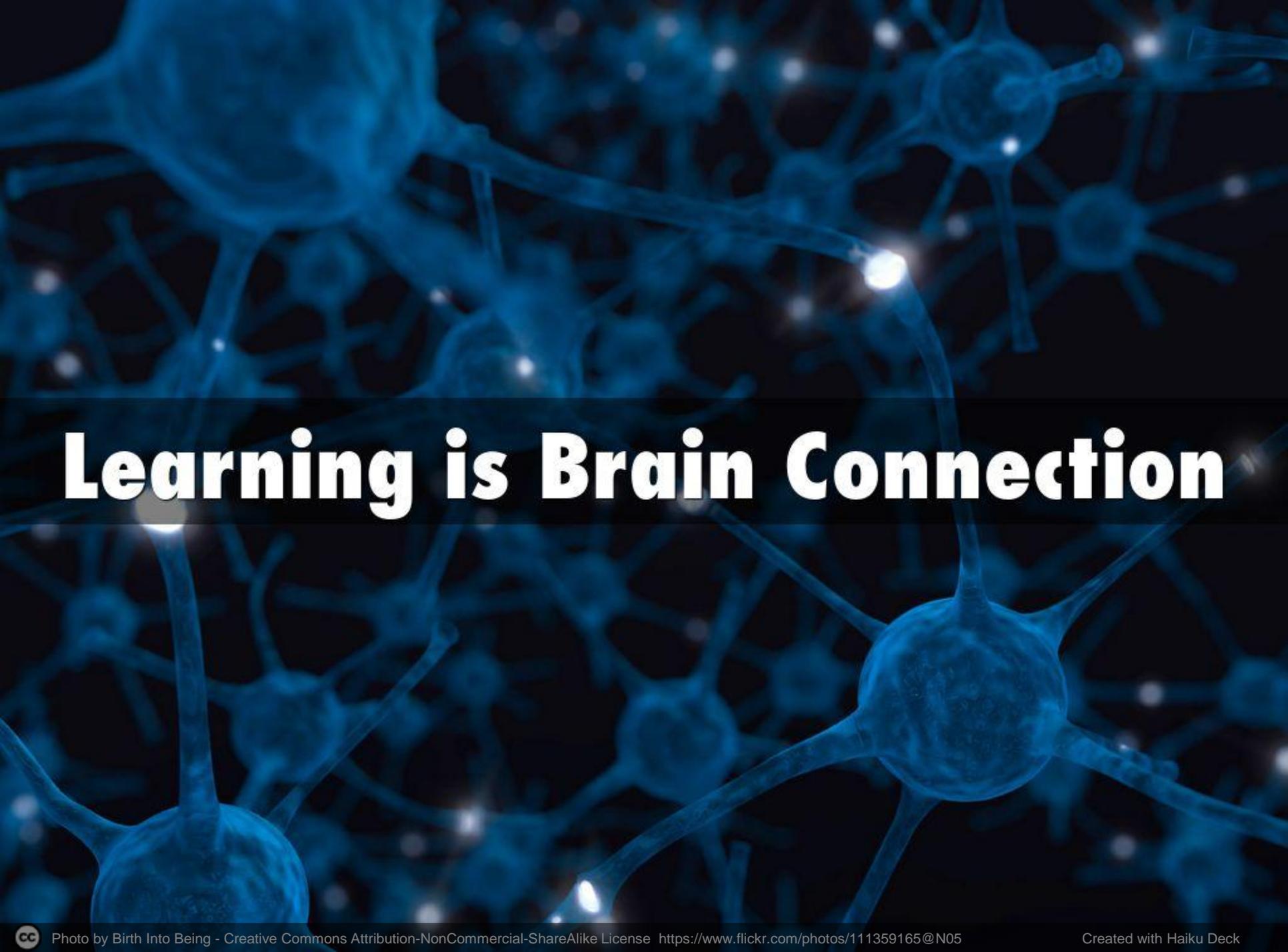
What do I do?



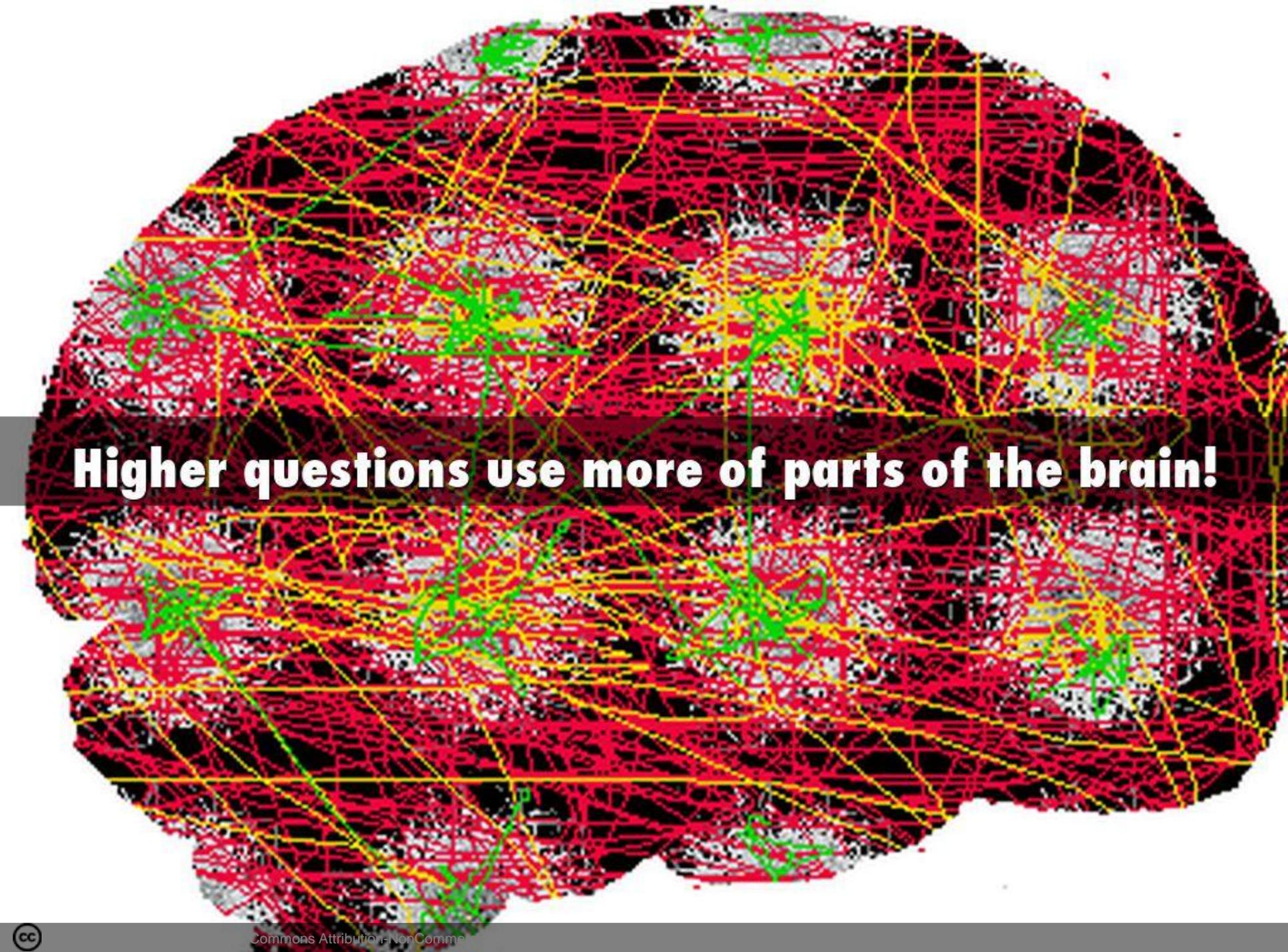
The practices and activities in
which people engage while
learning shape what is
learned.



More "Cash Value" from each question!



Learning is Brain Connection



Higher questions use more of parts of the brain!

Create

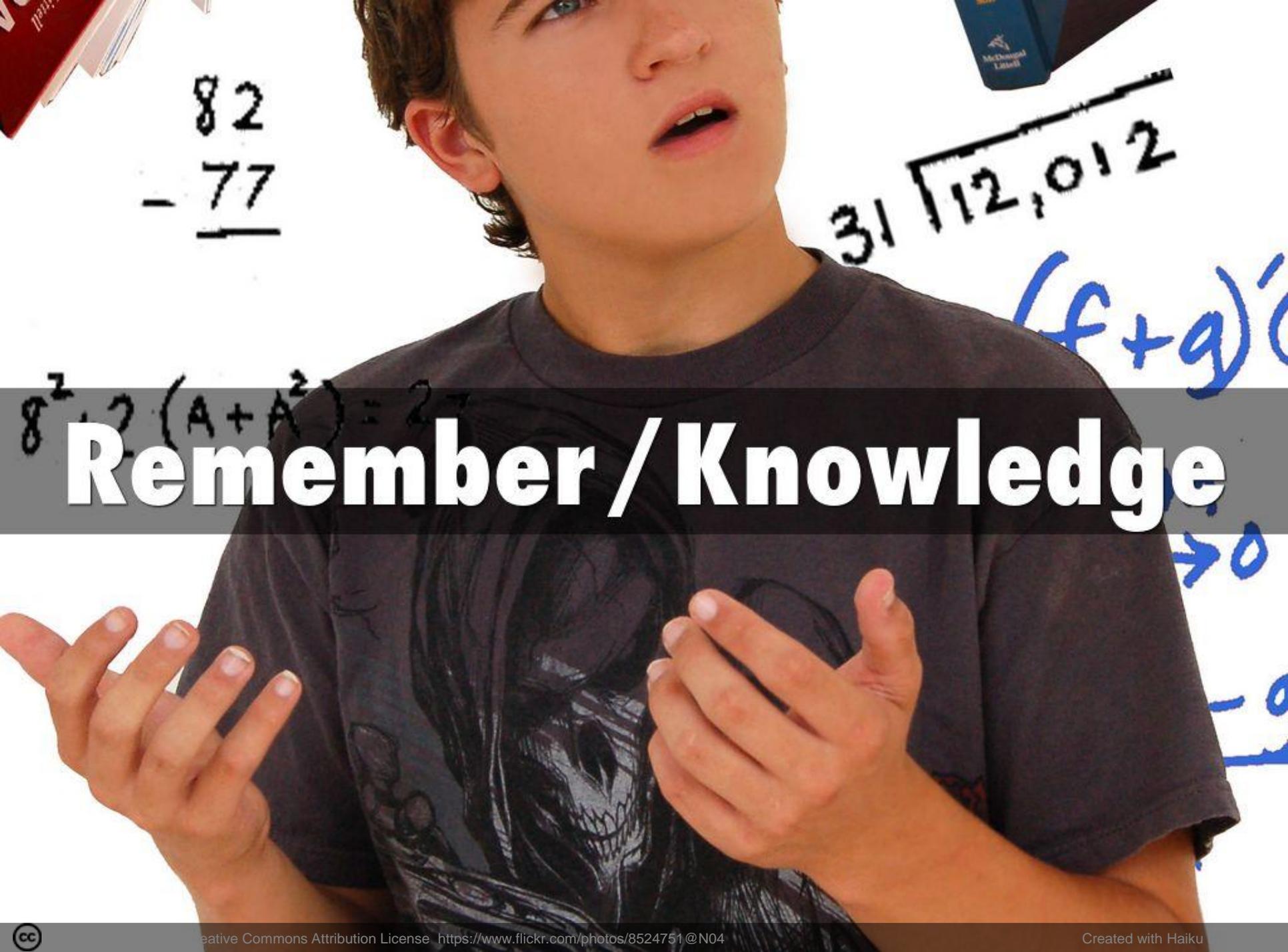
Evaluate

Analyze

Apply

Understand

Remember



$$\begin{array}{r} 82 \\ - 77 \\ \hline \end{array}$$

$$31 \overline{) 12,012}$$

$$(f+g)'(c)$$

$$8^2 + 2(A+A^2) = 2^2$$

Remember / Knowledge

$$\rightarrow 0$$

$$-0$$





ℓ -colouring c_1 of G can be extended to a ℓ -colouring c_2 of G by the mixing process.

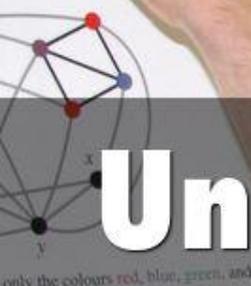
$\geq 2\text{col}(G) + 2$, then G is ℓ -mixable.

$> \max \left\{ \mathcal{M}(G), \frac{|V(G)|+1}{2} \right\}$, then G is ℓ -mixable.

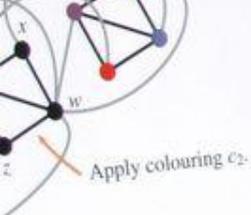
mixing c_1 and c_2 to get c , and call c a mixed colouring of G .

colouring c_1 and c_2 to get c .

mix colouring c .



only the colours red, blue, green, and violet.



Apply colouring c_2 .

using mixing to extend the colouring.

jonathan-noel@mytru.ca

Understand / Comprehension

STUDENT
IMPACT
MAP

Application

Demonstrate

5,000,000

10,000

1,000,000

2,000

1,000

400

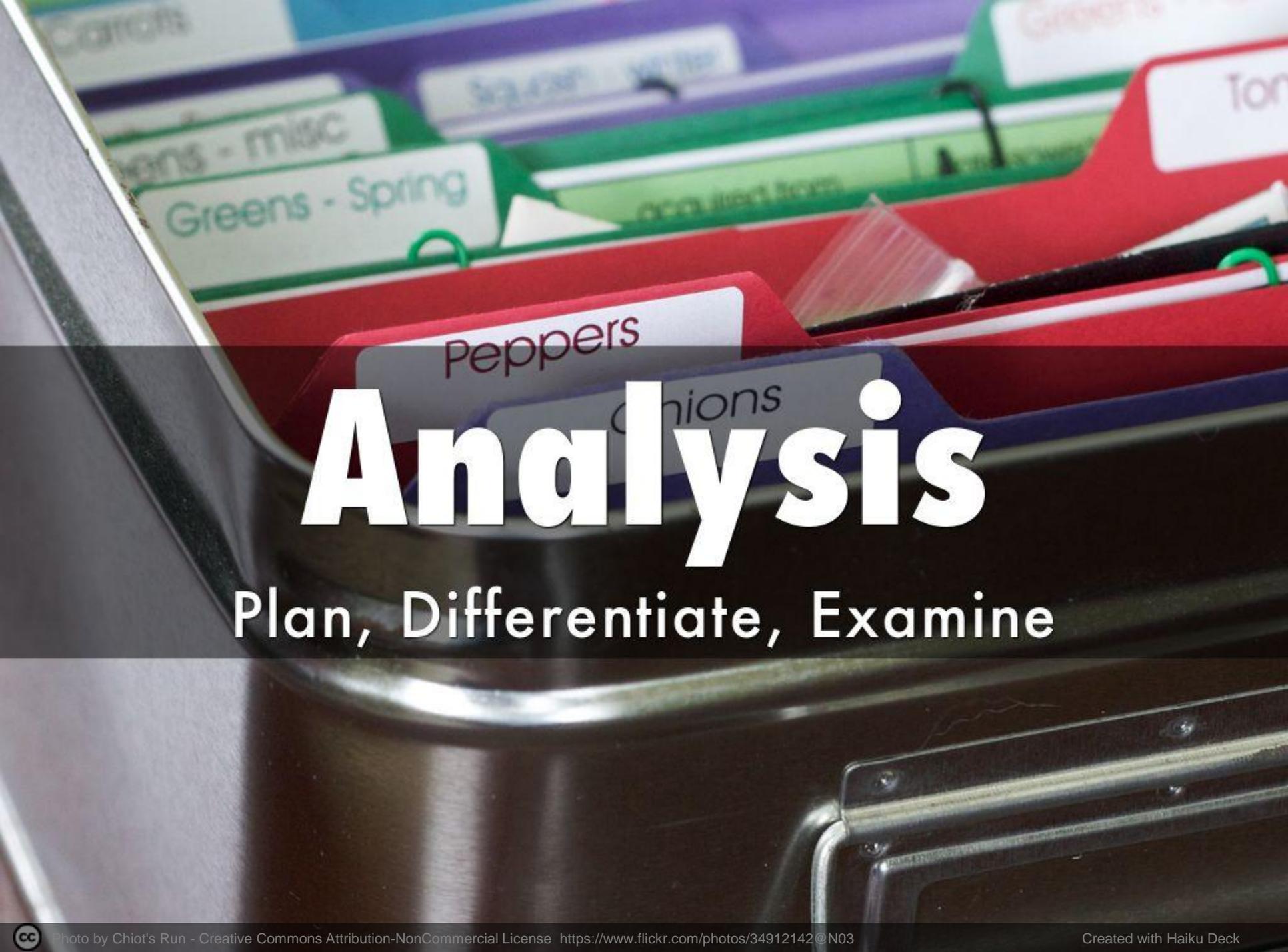


PIE CHARTS:

- BNP... :-)
- CONSERVATIVE
- LABOUR
- GREEN

NUMBERS:

- = Population
- = student population
- = MP's majority in last election



Analysis

Plan, Differentiate, Examine



Evaluation

What's the best way?

and differences exist?

Thinking

How could these similarities and differences be communicated?

Communication

Why are the similarities and differences significant?

Application



Create / Synthesis



Let's make some questions





ESSENTIAL
questions

What has worked for you?

