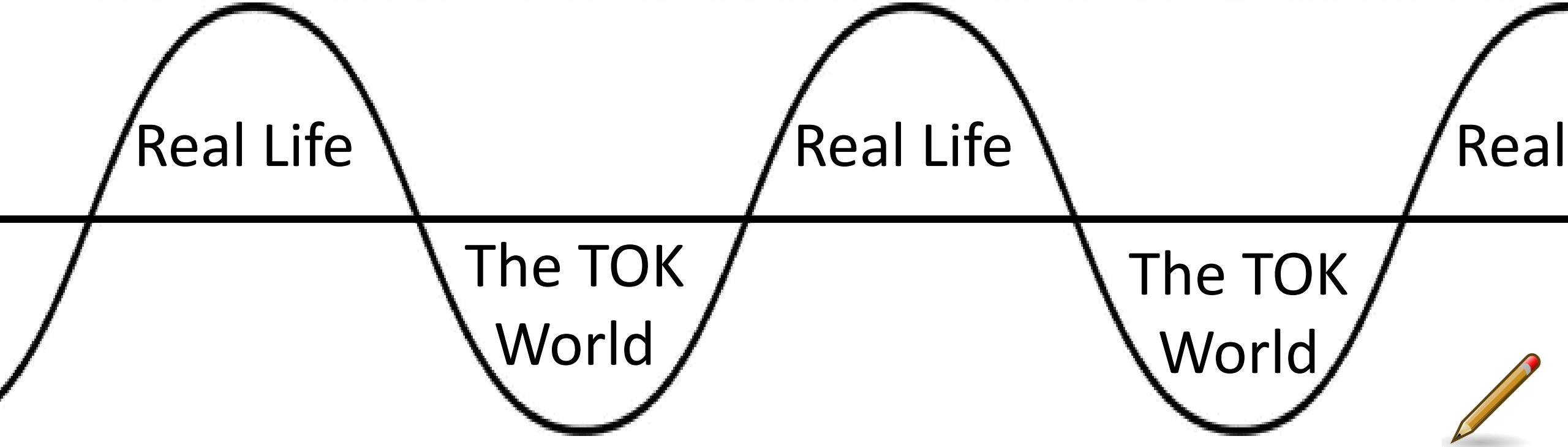
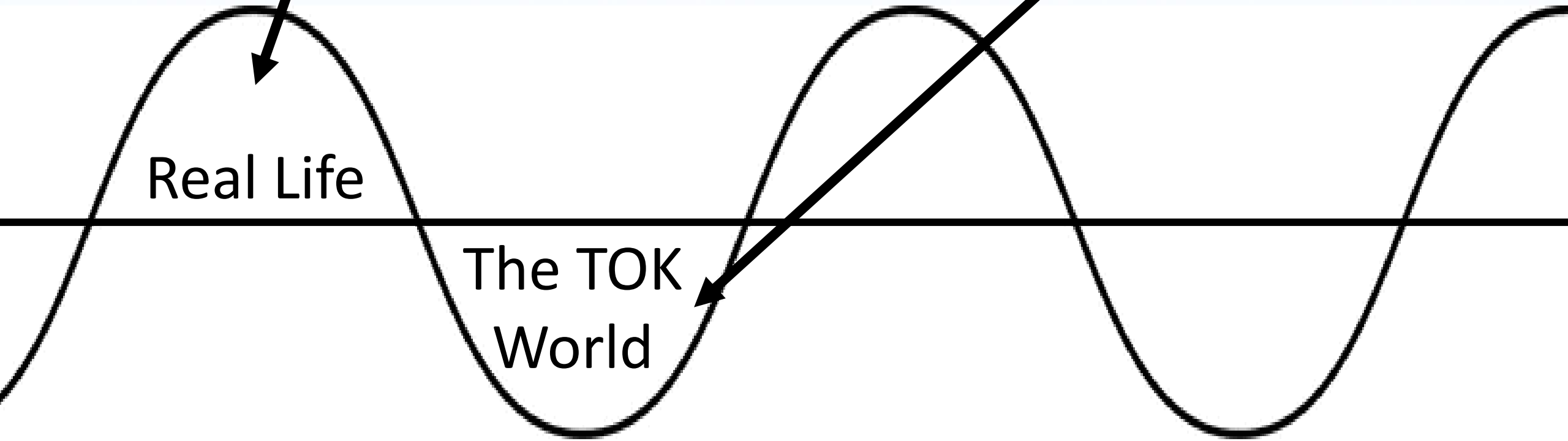
THE TOK BICYCLE

The best way to create good Knowledge claims, guide TOK debates, and write good essays is to think of the process like the diagram below. Copy this into your journal and I will explain more.



Real Life represents actual experiences – things you have read, heard, seen, or experienced

TOK represents AOK – Areas of Knowledge – Arts, Science, Math, Ethics, History, etc.
WOK – Ways of Knowing – Sense Perception, Emotion, Language, etc.



We begin with a real life experience.

Real Life

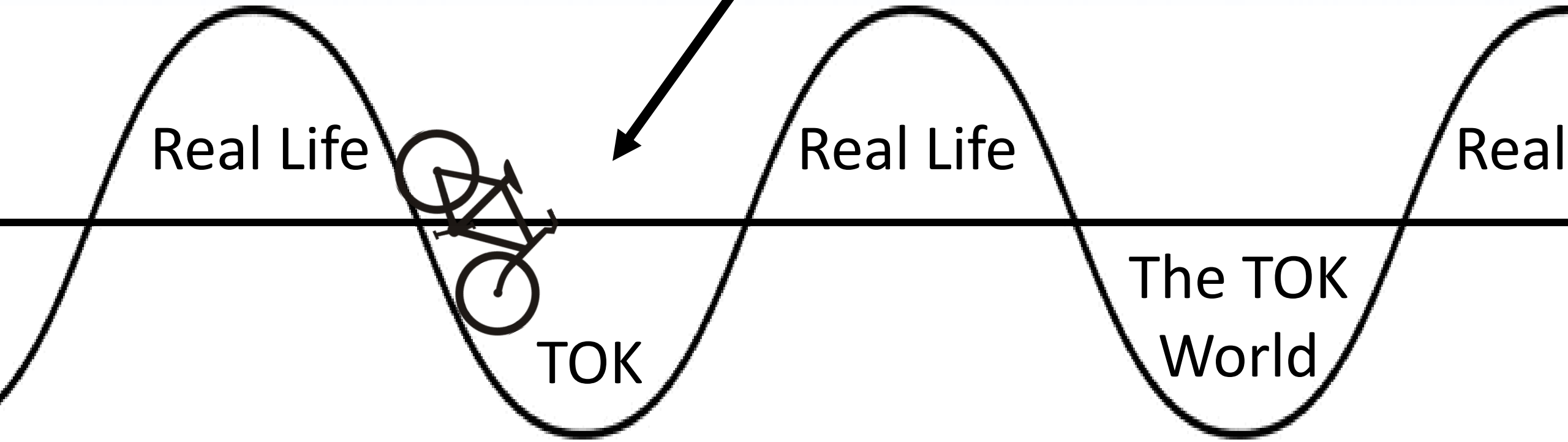
The TOK World

Real Life

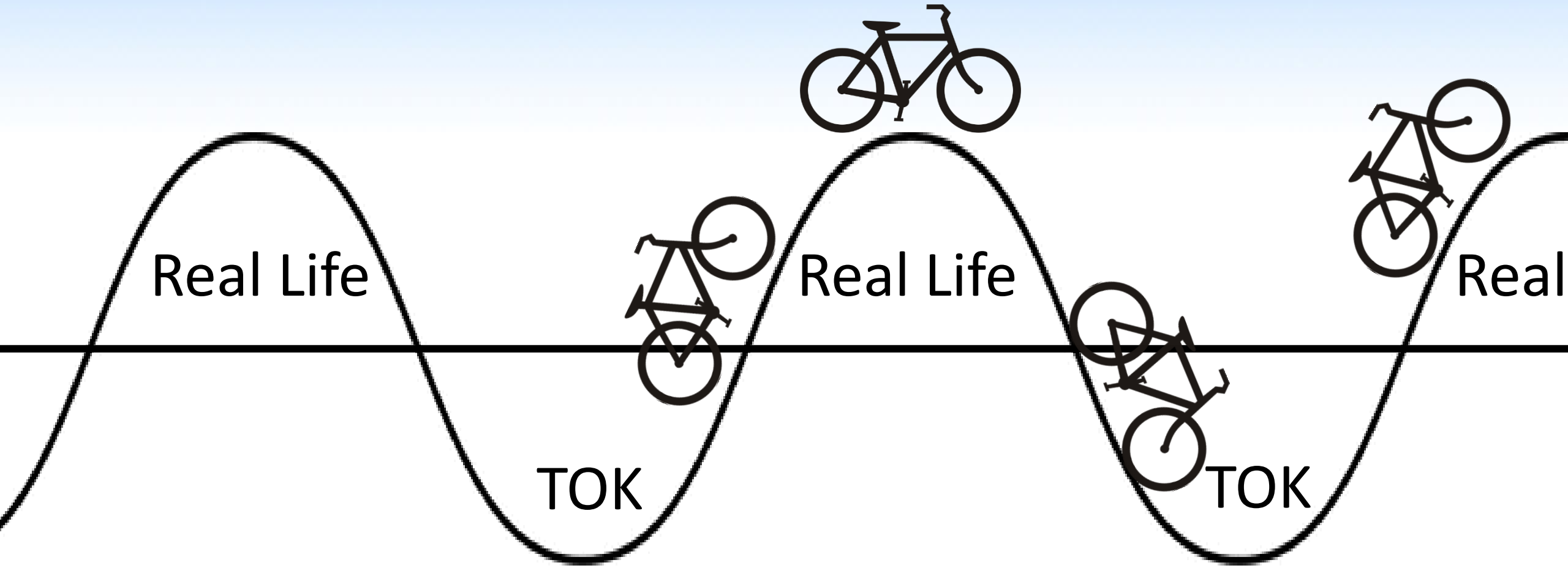
The TOK World

Real

We then observe the experience through the lens of TOK. Now, we consider how it fits into certain Areas of Knowledge and what Ways of Knowing can be used to understand it better.



Next, we compare these ideas to other real life experiences and then continue to repeat the process.



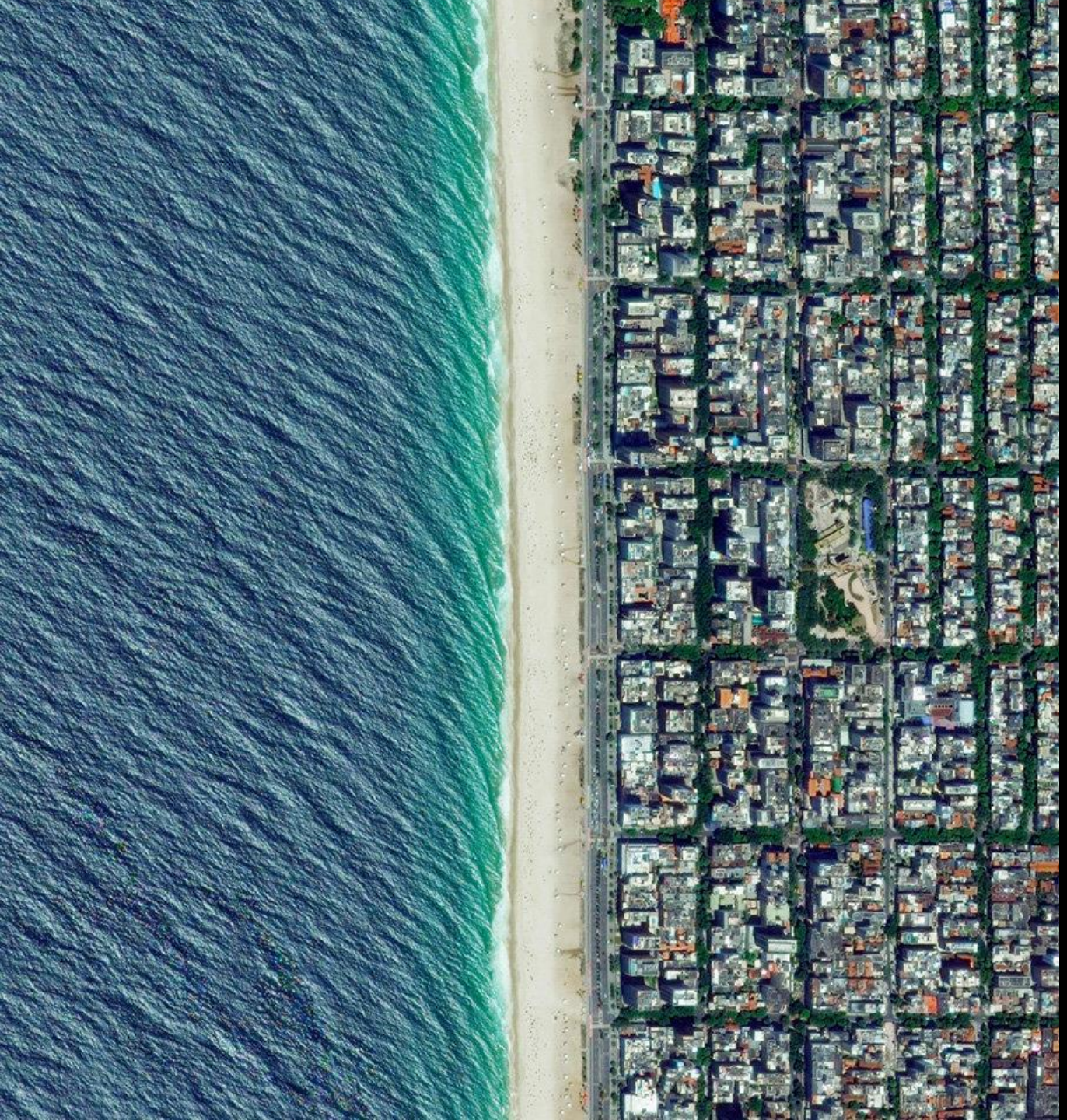
https://www.youtube.com/watch?v=HGMG8zDmRuc

What was the RLS?

What Areas of Knowledge or Ways of Knowing could you connect this video with?

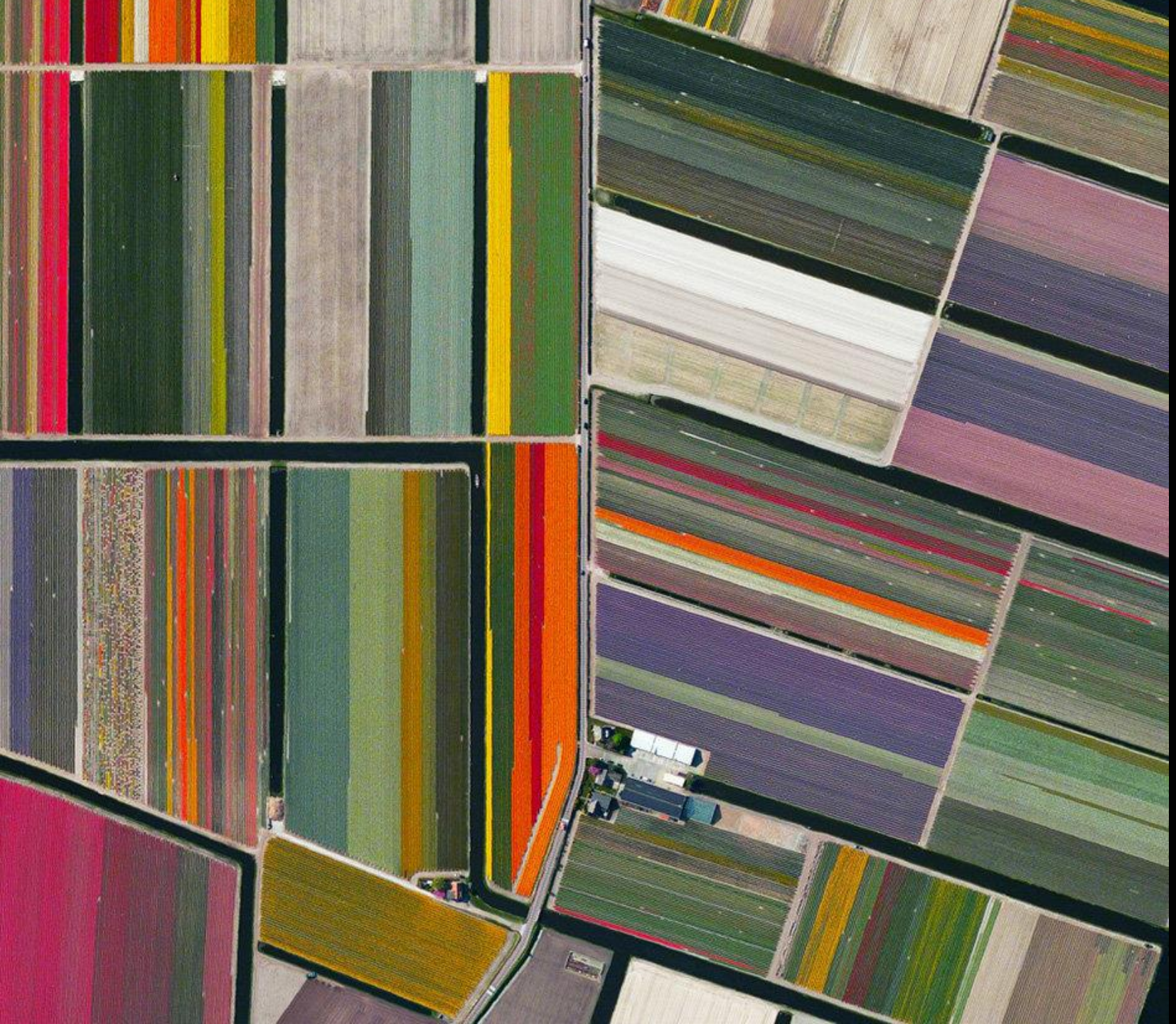
What is another RLS that you could add to the discussion?

Observe the following images.



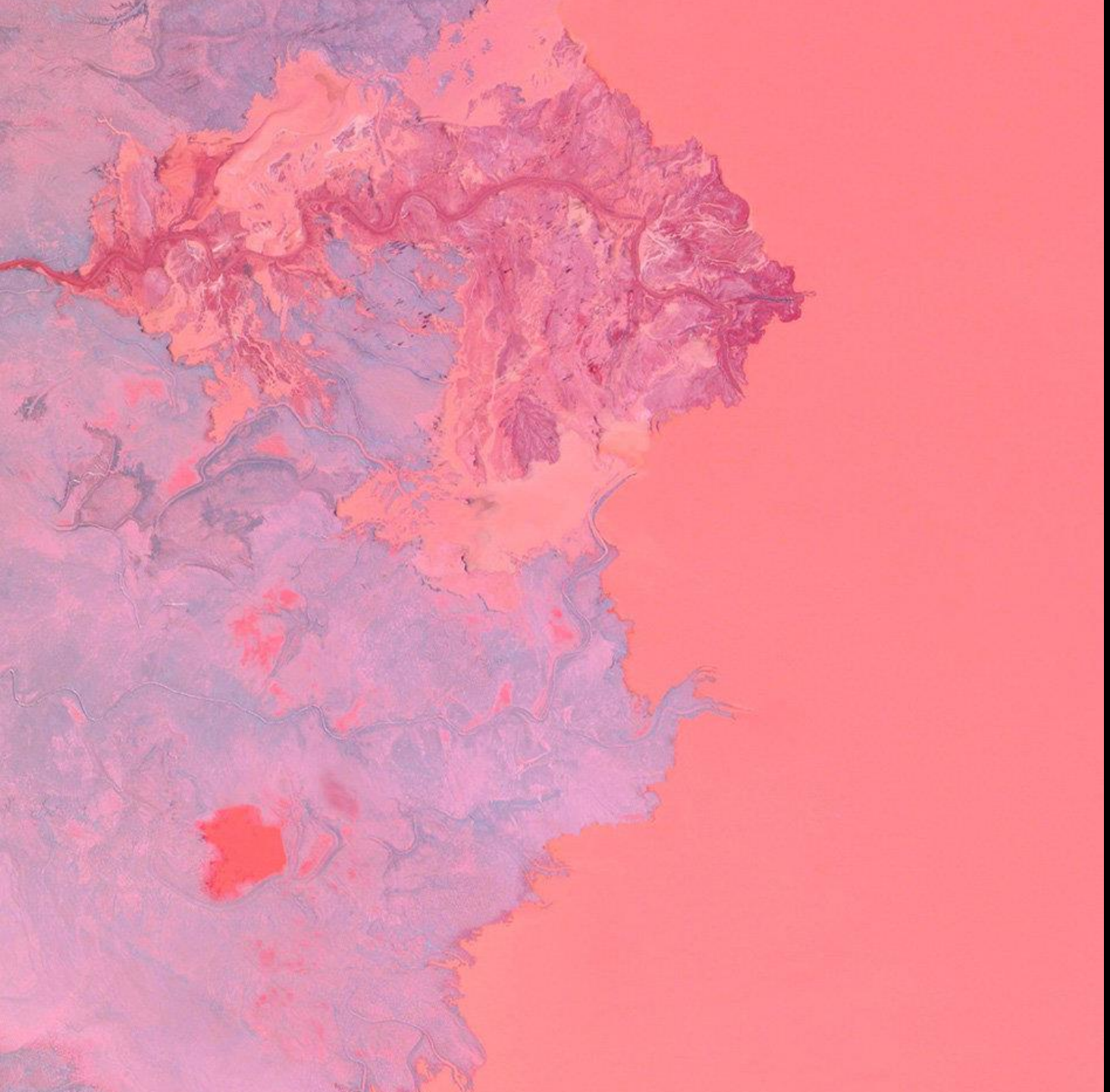
Beach front in Brazil

Villas in Abu Dhabi – one of the hottest regions in the world

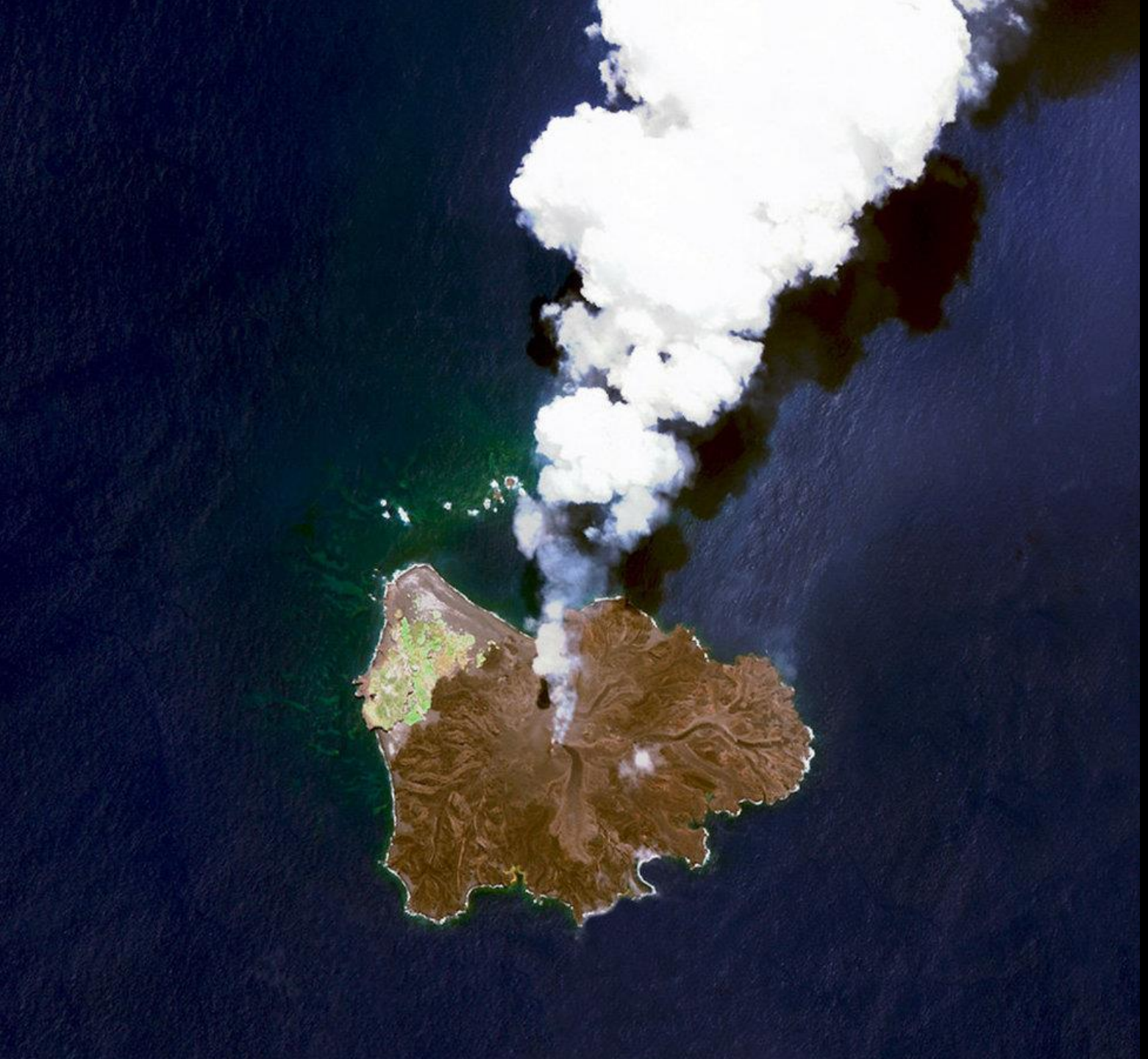


Tulip Fields in the Netherlands – 4.3 billion tulip bulbs are produced here each year

Delray Beach
community in Florida



One Square mile shown here of Iron Ore Waste Byproduct collected in a basin



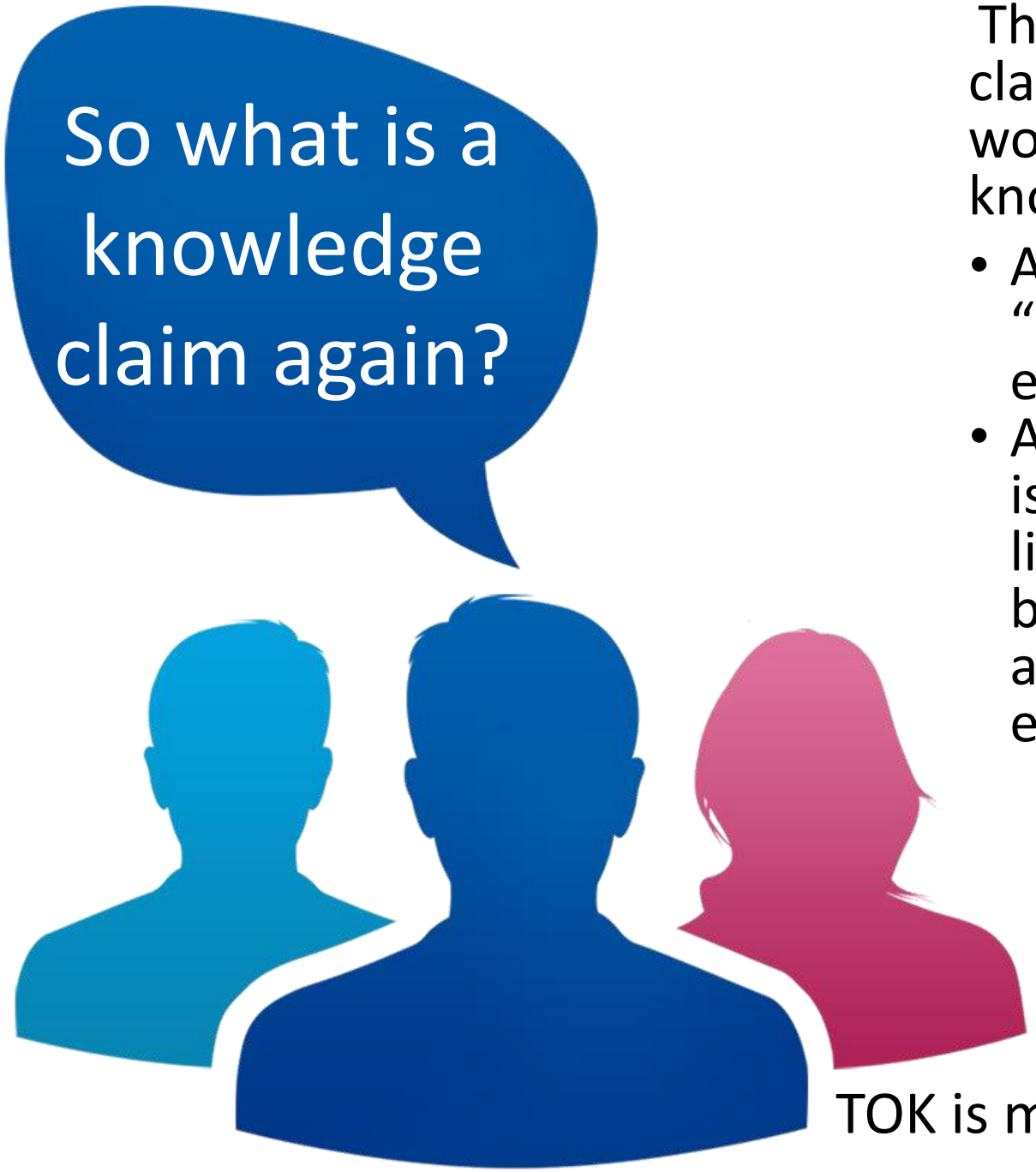
Nishinoshima - a volcanic island near Japan that continuously erupted for 2 years

These images come from a book called Overview by Benjamin Grant. These satellite images offer a new perspective on the world we live in.

Seeing these images is now a RLS for us all. What things from the TOK diagram are CLEARLY connected to it?

Pick one of the topics below. Write it down. Then write down a RLS to connect to it. This can be something you experienced first hand, read, heard, etc.

- Drugs and or Alcohol
- Life Online
- Bullying
- Optimism
- Racism
- Social Circles
- Violence and Video Games
- Motivation



There are two different types of knowledge claims—the first type is claims about the world, and the second type is claims about knowledge.

- An example of a claim about the world is: “Hydrogen is the lightest chemical element.”
- An example of a claim about knowledge is: “The knowledge that hydrogen is the lightest chemical element is quite secure because the methods of chemistry give us a fairly good model of what chemical elements look like.”

  This second claim is a claim about the reliability of the methods of chemistry itself, not about hydrogen.
  It is therefore a claim about knowledge, or a “second order knowledge claim”.

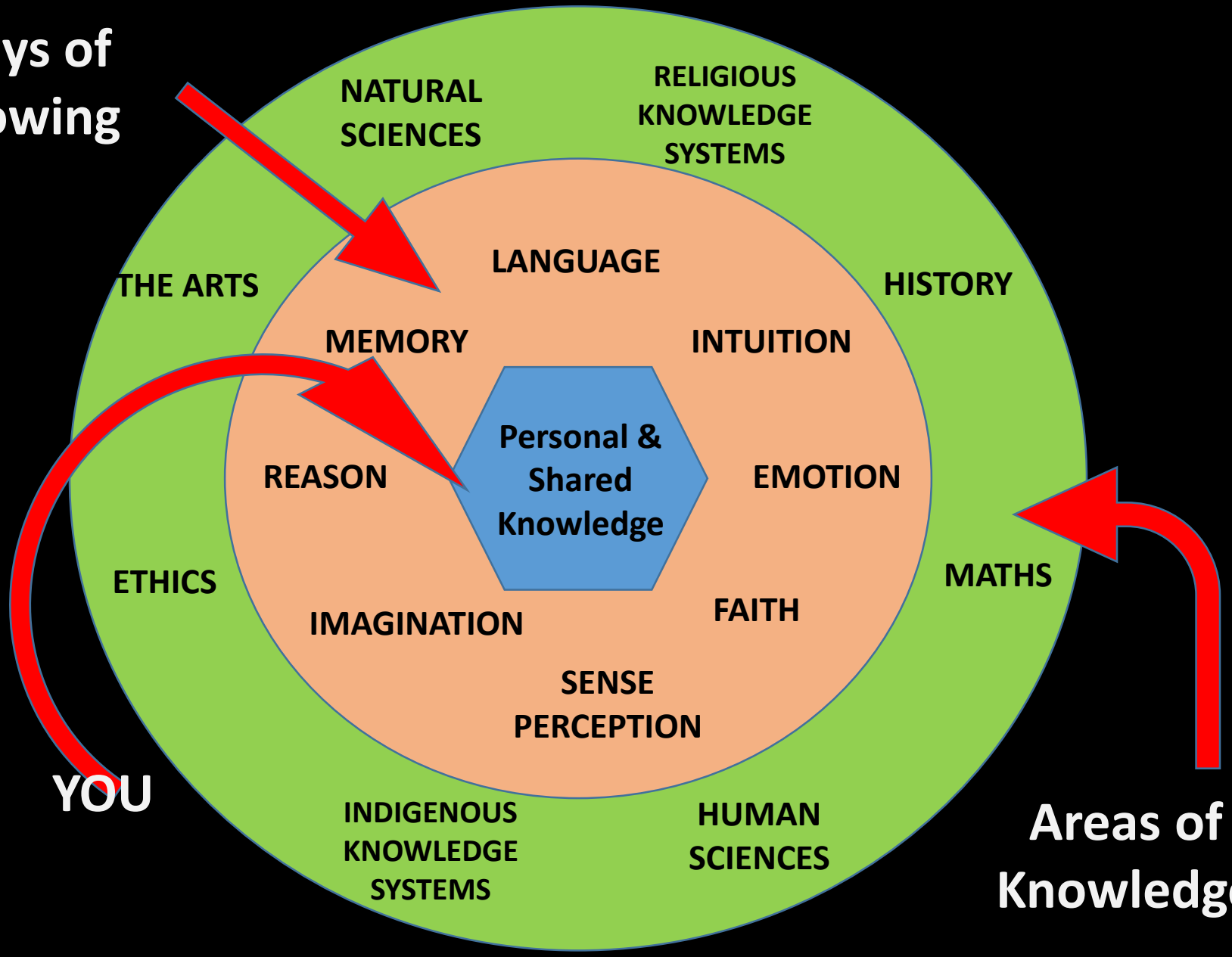
TOK is much more interested in this type of claim.

https://scottlangstontok.edublogs.org/sample-page/knowledge-claims/

Create a 1st order Knowledge Claim based on the RLS you wrote.

- Drugs and or Alcohol
- Life Online
- Bullying
- Optimism
- Racism
- Social Circles
- Violence and Video Games
- Motivation

Ways of Knowing



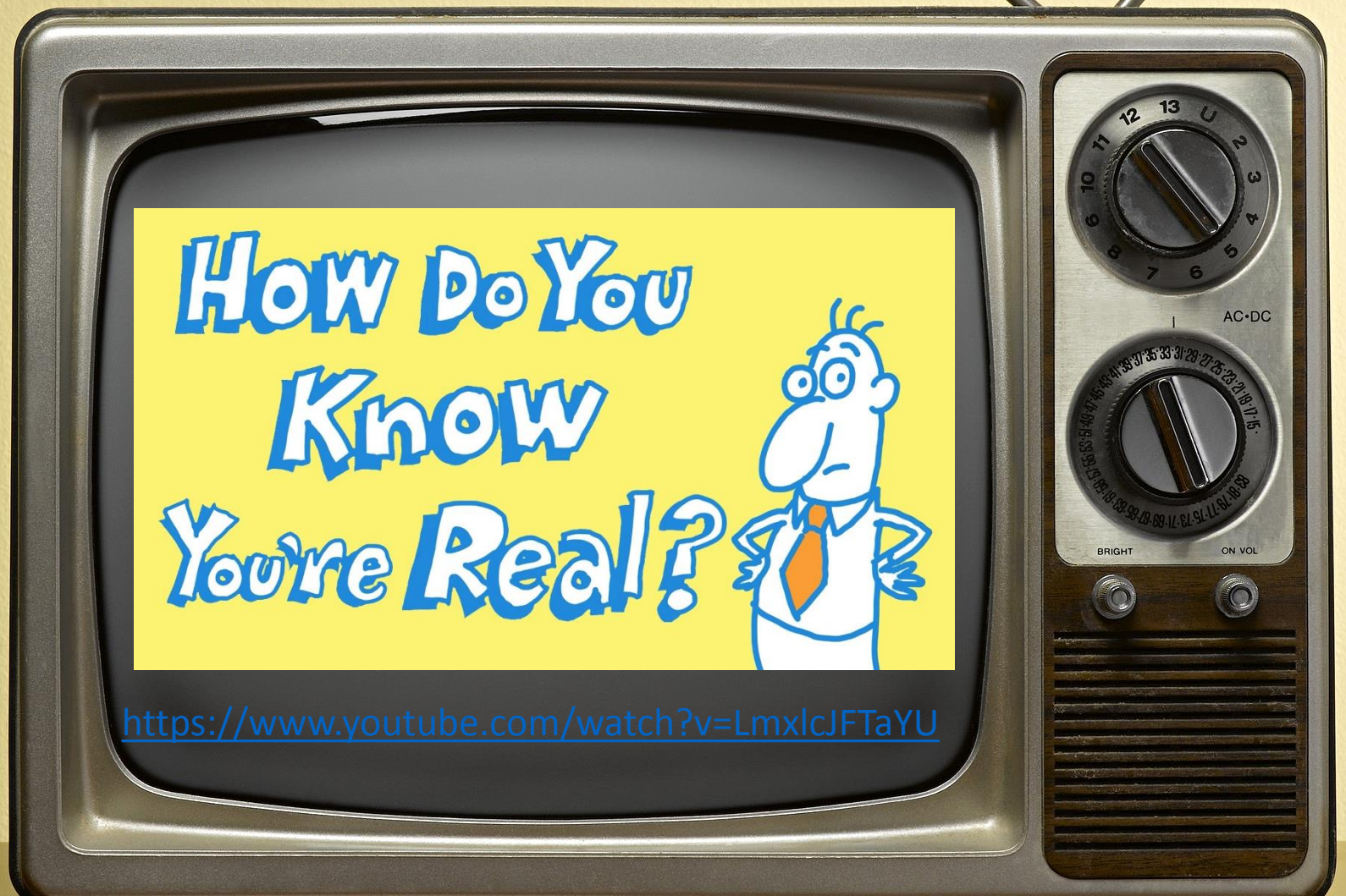
Areas of Knowledge

2nd order knowledge claims are about the TOK diagram and stuff related to it. They are what connect ideas to the TOK World

Create a 2nd order knowledge claim from Git Gob!

http://www.youtube.com/watch?v=_d3H5HlvMDs

Watch the video once. Just listen. Then watch it a second time and attempt to find 1st and 2nd order knowledge claims it makes.



https://www.youtube.com/watch?v=LmxlcJFTaYU

Time to discuss.
Please don't
forget those
DH Levels.

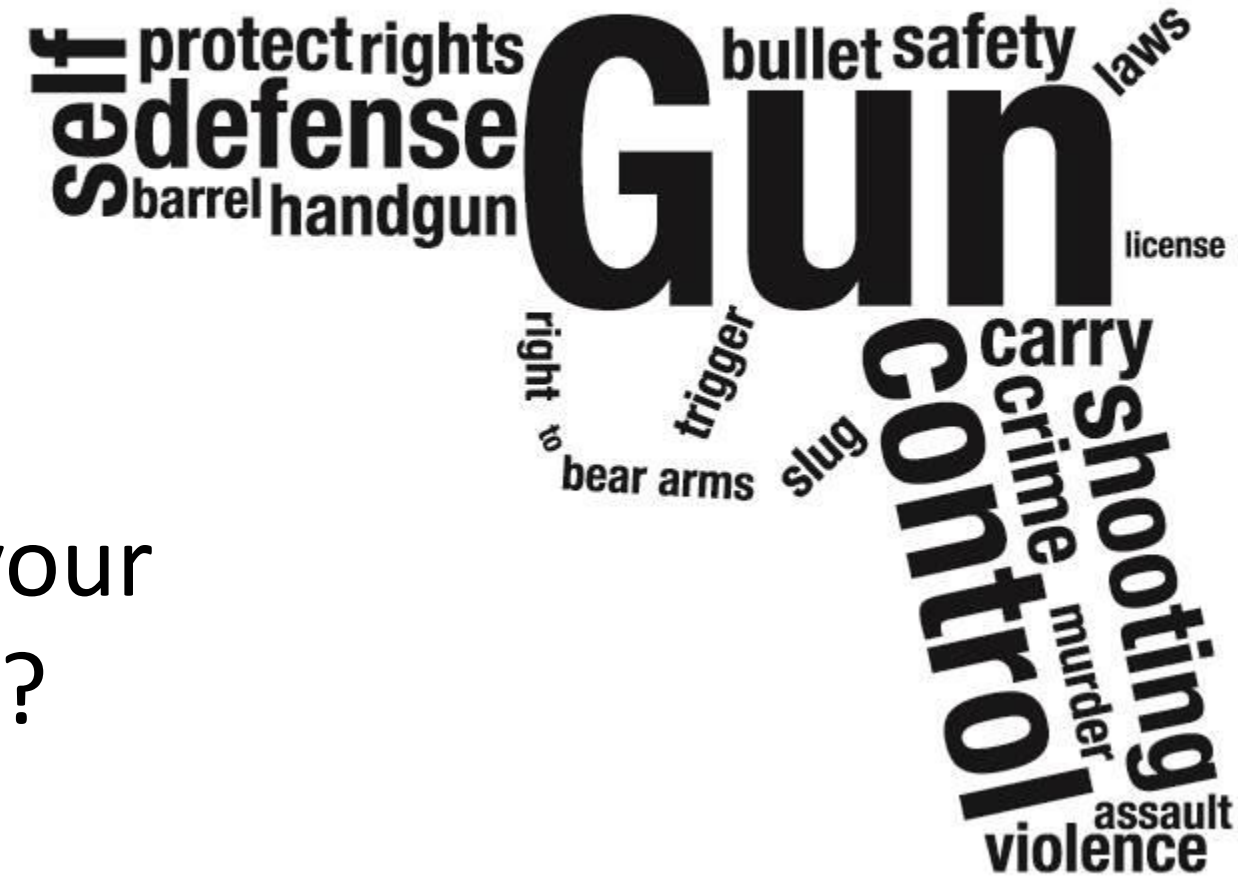
- List of things you know & how you know them
- List of things you would like to know
- TOK Diagram
- Connection to WOKs & AOKs; difference between personal & shared knowledge; relation to what you know and what you want to know
- Keith Barry Ted video notes & what it suggests about the process of knowing
- Personal vs. Shared Knowledge Venn Diagram/notes
- Three groups you are a member of & knowledge specific to each group
- Zone of Exchange – What is it? How does it work?
- Knowledge grid – conscious/unconscious vs. competent/incompetent + personal examples
- Notes on 3 kinds of knowledge + Do NOW*** on which is most useful in TOK
- Notes on Something Left, Something Taken & 3 Knowledge Claims about it.

- Map activity***
- Paragraph using personal examples to answer, “If perspectives have the potential to change, how can we be certain about the knowledge we possess?”
- Disagreement Hierarchy initial practice – response to grumpy old man (3 levels)
- Notes on Ash Beckham video
- Pro/Con research on topic – paragraph responding to the view with which you disagree
- TOK Bicycle diagram
- RLS based on one topic + 1st order knowledge claim on that RLS
- 2nd order KC based on Git Gob
- 1st & 2nd order KCs from “How do you know you’re real?”
- Gun Violence RLS – 1st & 2nd order KCs + alternate RLS related to 2nd order KC^^^

View the statistics on the website below.
Which statistics stand out to you? Why?

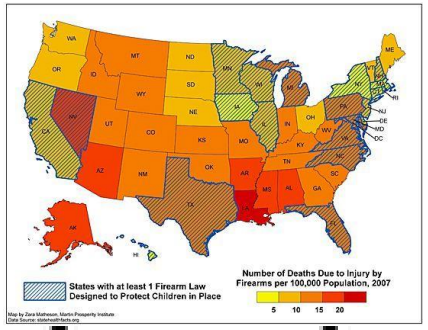
https://www.vox.com/policy-and-politics/2017/10/2/16399418/us-gun-violence-statistics-maps-charts

#13?



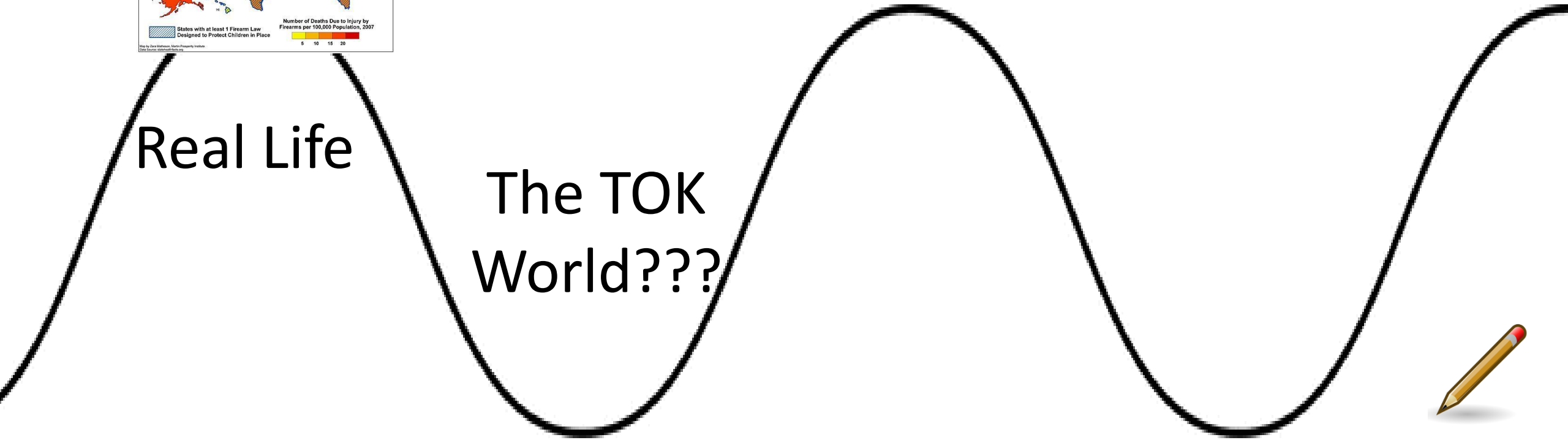
How did a visual alter your perception of the topic?

If we use the Gun statistics as a RLS, can you pull out a 1st order KC that it makes AND make your own 1st order KC about it?

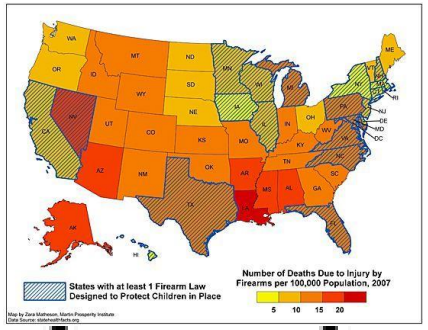


Real Life

The TOK World???



Now think about those 1st order KCs. What parts of the TOK diagram could you connect with them?

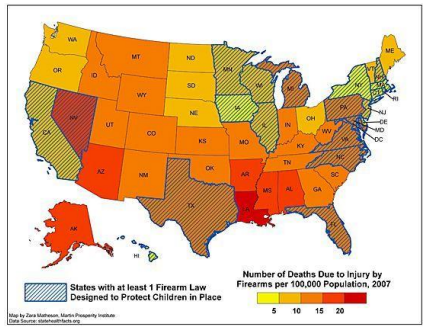


NOW… Make a 2nd order KC that connects to the 1st order claim with one or more of the diagram connections you just made.

Real Life

The TOK World???

Now, think of a different RLS that connects to that 2nd order KC. It should NOT be about guns.



Real Life

The TOK World - Ethics

Real Life