

STEM=Science

- Science Studies the World
- Science is Experimentation
- Science is Learned Everywhere
- Math=Adding + Subtracting
- Tech=Computers
- Comps + School=Danger/Distraction
- Engineering=HIGHLY Specialized



Reform

- Fatalism
- Politics as Usual
- Flavor of the Month
- Nostalgia – Back in my day...
- Zero-Sum

Learning

- Naturalism
- Hands-On
- Back to Basics
- Caring Teacher



What's in the swamp of...

STEM and Informal STEM Learning

Differences

- Drive
- Zero-Sum
- Cultural Differences
- "Types"



Outcomes

- Future Jobs
- Global Competition
- Societal Progress



Learning Locations

- Learning Hierarchy (informal=supplement)
- Rechargeable Attention
- Informal=Freedom/Low Stakes