

# MEANINGFUL LEARNING

**Authentic**



**ACTIVE**



**Cooperative**



**Constructive**



**Intentional**

## Questions & Implications

- This will require a major shift in education.
- Teachers **MUST** model these skills to students.
- How much time should be dedicated to allow student reflection?
- Process and skills are essential for students/teachers to be flexible.
- How do we determine the balance between individual work and collaboration?
- How do the components of TPLACK impact assessment? How do you assess for all of that understanding?
- Must be **COMMITTED!**

In the old days of learning from technology, it was used to ...

**DRILL**

**TEACH**

**GIVE**

Now, students are learning **WITH** technology to ...

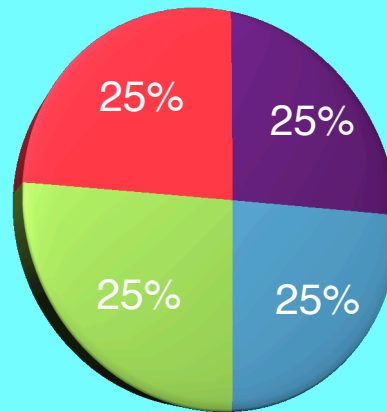
**INNOVATE**

**COLLABORATE**

**COMMUNICATE**

**EXPLORE**

## TPLACK



● Technological ● Pedagogical  
● Learning ● Content

In 1998, the International Society for Technology in Education created a list of standards (NETS) for students and teachers and has been continually updated.

- Creativity and Innovation
- Collaboration
- Digital Citizenship
- Critical Thinking, Problem Solving, Decision Making
- Technology Concepts
- Information Literacy

## The SEARCH Process

**IDENTIFY**

**ANALYZE**

**SYNTHESIZE**

digital native

digital immigrant

EVALUATION CRITERIA:

**\*RELEVANCY**

**\*CREDIBILITY**

Engaging learning is...

**\*OPEN-ENDED**

**\*STUDENT-DIRECTED**

**UBIQUITY**

*with*

**MOBILITY**

directories

databases

search engines

web portals

feeds

Students must learn how and when to use the tech tools.



## The Tips at Work

8. **Use the Picture Tool Bar:** *I used the photo editing abilities to add borders to all my shapes in the graphic organizer. I also used the editing tool bar to change the colors of my shapes. Each "topic" is connected by color.*
7. **Use Word Art:** *I used the word art functions to create several of the titles and banners.*
6. **Create an AutoShape:** *There are lots of autoshapes at work--from triangles to circles.*
4. **Word Extras:** *I used a graph to represent the different parts of TPLACK. I also played around a lot with the fonts.*
3. **Grouping of Images:** *Grouping was the most valuable tool. As each section was summarized, I grouped all the little parts as a unit. I could then piece together the entire page without difficulty or frustration.*
2. **Microsoft ClipArt:** *All of the images come from ClipArt and Microsoft.com.*