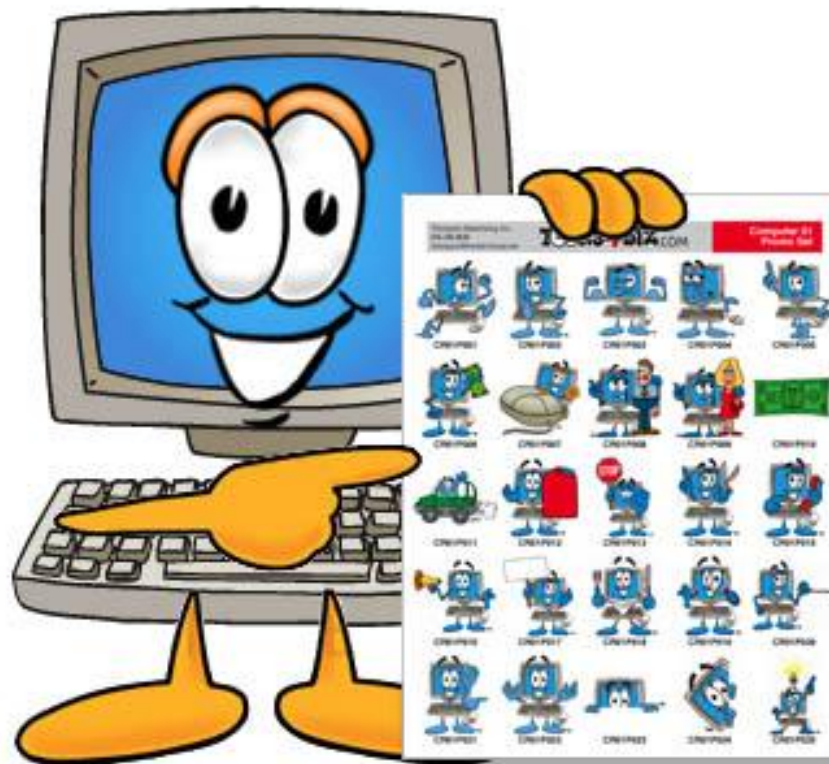


Tips and Tricks: Using Technology to Enhance Feedback



We have to change our design principles to motivate our students

John Keller (2010) created the ARCS model of motivation design which refers to the process of arranging resources and procedures to bring about changes in motivation.



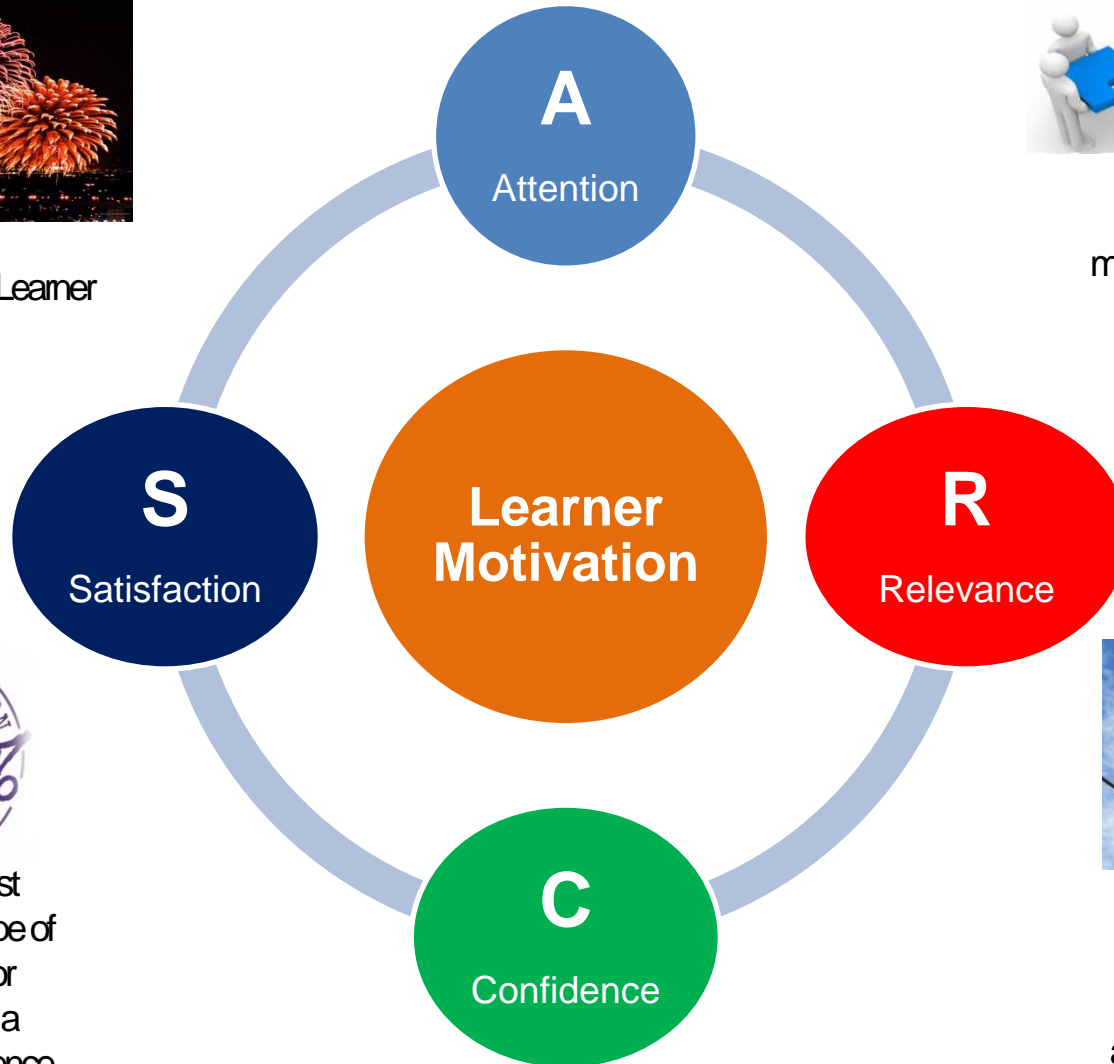
The ARCS Model of Motivational Design



Ability to attract the Learner



Goal oriented,
motive matching &
familiar to the
Learner



Learner must
obtain some type of
satisfaction or
reward from a
learning experience

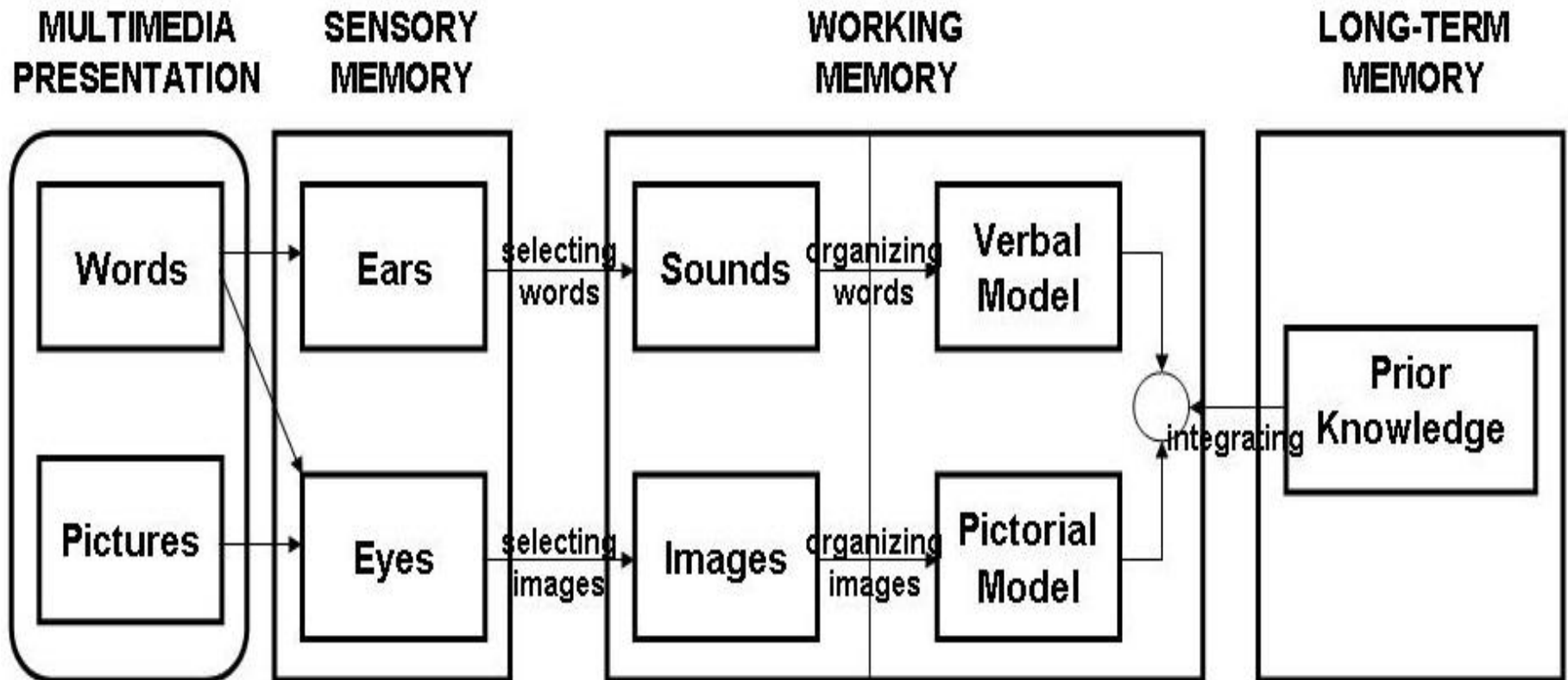


Establishing
positive
expectations for
achieving success
among Learner

**So can
technology help
us re-evaluate
design principles
and give
effective
feedback?**

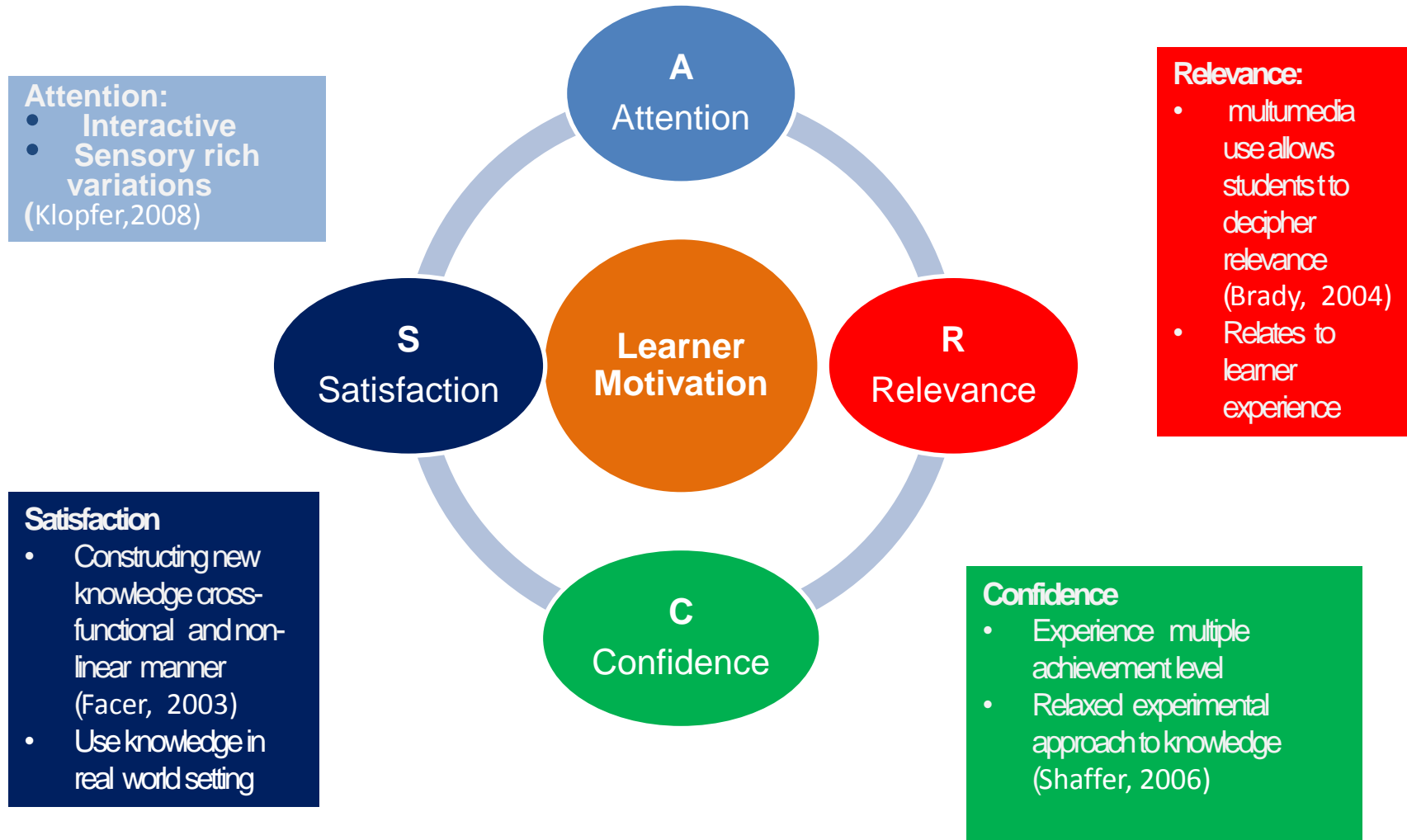


Dual Channel Learning Theory



Richard Mayer (2009) states that the promise of multimedia learning is that teachers can give students multiple ways of thinking about a knowledge domain and become possible experts, while novices have only one or a few ways of approaching a knowledge domain.

The ARCS Model of Motivational Design

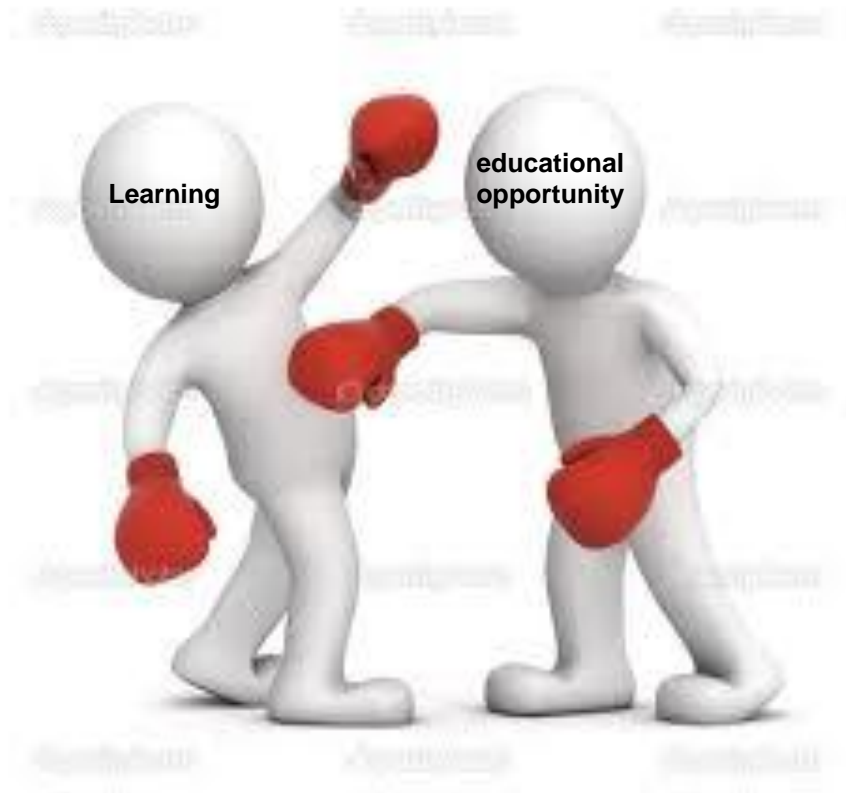


Yikes, how to begin?

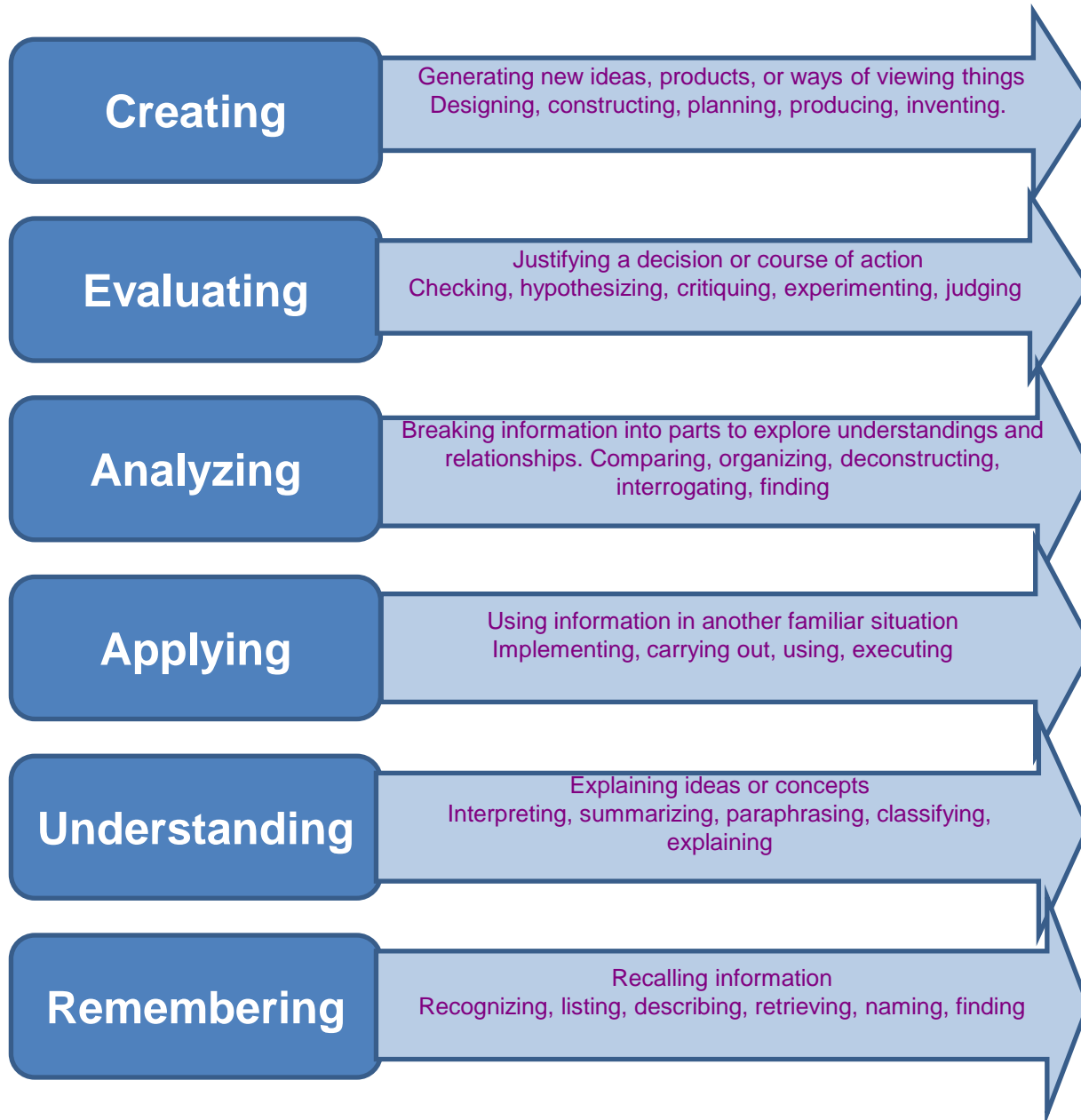


Learning vs. Educational Opportunities

With regard to answering this question, Clifford Lynch (2008) has laid out a critical distinction. He argues that we need to distinguish between a “learning opportunity” and an “educational opportunity.” Learning opportunities are everywhere. The Internet is buffet of learning opportunities. Learners can access an ever-expanding universe of OERs, searchable databases, online texts, open courseware, and so on. But what is an educational opportunity?



Blooms' Revised Taxonomy



What is Classroom Assessment?

"Classroom Assessment is a simple method faculty can use to collect feedback, early and often, on how well their students are learning what they are being taught. The purpose of classroom assessment is to provide faculty and students with information and insights needed to improve teaching effectiveness and learning quality."



Commonly Used CATs



Background Knowledge Probe

Description	Short, simple questionnaires prepared by instructors prior to a new unit, topic, assignment, etc
Example	<p>How comfortable are you using research in your writing?:</p> <ol style="list-style-type: none">1. Assessment<ol style="list-style-type: none">a) I am not comfortableb) I am somewhat comfortable, but not too clearc) I have a clear idea what this is and can execute itd) I have clear idea what this means and I can both execute and explain it to others
Tech Options	Poll Everywhere http://www.polleverywhere.com/
What to do with the data	With this feedback faculty can determine the most effective starting point for a given lesson and the most appropriate level at which to begin instruction.

Poll Everywhere

Poll Question:

How comfortable are you using research in your writing?

How will my audience respond?

☒ Open Ended

☐ Multiple Choice

Your audience can select from these answers:

I am not comfortable



I am somewhat comfortable, but not too clear



I have a clear idea what this is and can execute it



I have clear idea what this means and I can both execute and explain it to others



Add an answer

Minute paper

Description	Ask students a question in discussion in order to elicit data about students' comprehension of the seminar material
Example	<p>During the last few minutes of the Seminar period, ask students to answer questions like:</p> <ol style="list-style-type: none">1. What are the most important characteristics of _____?2. What was the best example of _____?3. What was the most surprising _____?4. What was the best argument for _____?5. What is the most important use for _____?
Tech Options	Tagxedo http://www.tagxedo.com/
What to do with the data	<ul style="list-style-type: none">• Review responses and note any useful comments.• During the next seminar emphasize the issues illuminated by your students' comments.

Tagxedo



Muddiest Point

Description	Asks the student to identify a concept that is unclear or muddy
Example	"What was the muddiest point in this week's reading.....?"
Tech Options	Padlet http://padlet.com/
What to do with the data	<ul style="list-style-type: none">• Review the students' responses to determine where there seems to be the greatest confusion• Share your observations with your students.• Decide which topics need to be covered more on DB or next seminar

Padlet

Teacher question:

What is the most confusing point of Seminar 1 readings?

Joanne

I don't understand the concept of freewriting.



Derrick

Let me help you Joanne. Freewriting means what its name suggests: writing without constraint. In this technique, the key is to start writing and keep writing. Don't stop to correct mistakes. Don't stop to edit.

Dr. Pal: Very good Derrick. Class, here's an example of freewriting.

I was at the mall the other day trying to pick out a dress for my brother's wedding and everywhere I looked there were all these really overweight kids. It was scary to think that kids so young could have a weight problem like this and I started to wonder if it was just the mall or just a weird day and maybe not so many kids out in society were really obese. So I looked it up and found out that a third of children are obese and obese doesn't mean a little overweight it means a lot overweight. I found something on the news about the state of Georgia canceling recess because the kids were supposed to study for the placement tests required by the "No Child Left Behind" Act, but I have to say it seems like if we don't let kids exercise and play, we are leaving a lot of children behind! I guess lack of exercise is a big cause of all this, and it doesn't help that instead of playing outside after school kids play video games, but I also think the "Super Size" fast food explosion hasn't helped. One super size fast food meal has more fat and calories than anyone needs in an entire day and it's just one meal! I wonder how we can encourage kids to eat healthier and this seems like a really important thing to do because child obesity has to have health risks like diabetes, maybe even heart trouble. We have to educate kids and their parents, but how? Maybe we need to start in our school cafeterias where they serve cheeseburgers and pizza everyday! What kind of message is that sending? Kids need to understand a better way to live and we all need to...