

Outline of CPC Presentation

Science and Technology

1. Present Objectives
 - To help parents understand the competency based approach in science and technology
 - To help parents understand the difference between general and applied
2. Explain that the course is now a science and technology course, not just science
Define technology (not just computer technology), and the relationship between science and technology
3. Compare Objective based vs. Competency Based approach- a concrete example
 - Competency based is more than just “hands-on”, as science has always been hands-on
 - Parents will test liquids with litmus paper to see if they are acidic, basic, or neutral
 - Then, they will see a traditional objective based evaluation that tests the knowledge and a competency based evaluation that asks them to use the knowledge of acids and bases to solve a problem
 - The competency based approach is more than just what you know, but it is being able to use what you know (and knowing when to use it...)
4. Present the competencies in context of goals of program –
How can we help students understand more about the world around them- issues and how things work...
 - Example of tech design project for competency 1
 - Example of using knowledge to make decisions (Energy Drinks) for competency 2
Should Energy Drinks be 18+- what do you think? Why?
 - Example of tech analysis (earphones) for competency 2 (understanding how things work)
 - Example of communication tasks (Atomix)
5. Discuss the difference between General and Applied
 - More tech design in applied
 - being able to evaluate how things works in applied
 - Issues based vs application based