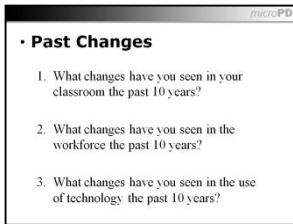# Incorporating Technology into the Classroom

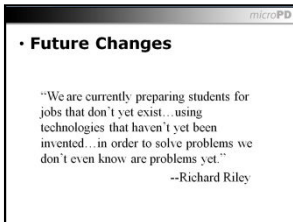1.

2.

Title slide and learning outcome.

3. Allow 3 – 5 minutes for teachers to discuss in pairs or small groups the changes they have observed in these areas over the past 10 years.

4. According to Richard Riley, Secretary of Education under President Clinton, "We are currently preparing students for jobs that don't yet exist…using technologies that haven't yet been invented…in order to solve problems we don't even know are problems yet. Do students today learn, become and stay engaged, and collaborate the same as they did 10 years ago? Will they learn, become and stay engaged, and collaborate the same 10 years from now? Are their tools and strategies that can be utilized to assist students in mastering curriculum while keeping them engaged in their learning?
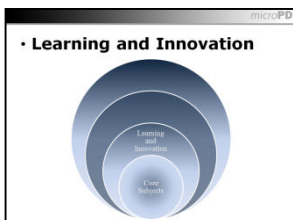
5. The learning environments of today need to successfully prepare students for the world of tomorrow. The Partnership for 21st Century Skills constructed a framework to illustrate the knowledge and skills necessary for successful life in the 21st century. The keystone of the 21st century skills framework is the core subjects.

6. Students need to be able to take what they learn in school and apply it to other aspects of their lives. When instruction helps students connect their learning to the real world, greater understanding of the core subjects is achieved. Technology can make it possible to view items not available to see firsthand. Through the use of technology minute details can be seen, real world simulations can be accessed, and a vast ray of information can be sought out and retrieved.
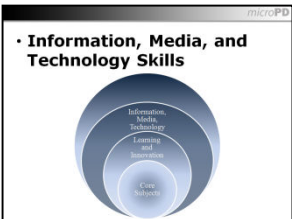
7. These core subjects of the framework are surrounded by three sets of skills most in demand for the 21st century.
The first set of skills is the Learning and Innovation Skills section of the Framework. These skills focus on the higher order cognitive skills students need to be successful and independent long learners, as well as assist in mastery of other 21st century learning skills. Critical thinking, problem solving, creativity, and innovation are included in the Leaning and Innovations Skills section of the 21st Century Skills Framework.
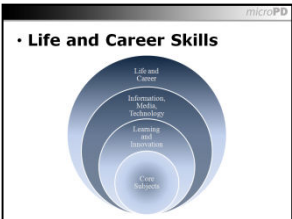
8.

A blog is a tool that can be used to allow students to utilize the strategies of critical thinking, problem solving, creativity, and innovation in and out of the classroom. A classroom blog can inform parents of the happenings in their child's classroom as well as a place where students can collaborate with one another about what they are learning in class, group projects, book reviews, etc.

9.

The second set of skills surrounding the core subjects of the framework focus on Information, Media, and Technology skills.
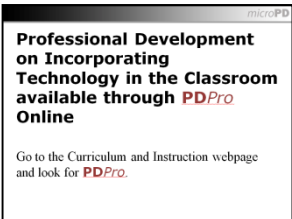
10.

To help prepare students today for the world of tomorrow they must be taught the tools they will need to be able to access a variety of information, to use and apply different media skills, as well as be fluent in the technology skills they will utilize.

11.

There are 3 steps to teaching procedures effectively. The first is to simply teach them. This can be accomplished by stating, explaining, modeling, or demonstrating the procedure.

Skills in the Life and Career Skills set of skills of the Framework are flexibility and adaptability, initiative and self direction, social and cross cultural skills, productivity and accountability, and leadership and responsibility. Technology can be a significant resource in the area of life and career skills in and of itself. Technology is flexible, it is self directed, and allows for many different social and cross cultural opportunities.

14.

A webinar on incorporating technology into the classroom is available for teachers to learn more. Visit the Curriculum and Instruction webage and look for PD*Pro*.