Infusing Technology Self-Study Guides

Infusing Technology Self-Study Guides provide a step-by step process for teachers to integrate education technology into their own curriculum and classrooms. There are four guides available for teachers of middle and high school students:

- Infusing Technology into Language Arts
- Infusing Technology into Science
- Infusing Technology into Mathematics
- Infusing Technology into Social Studies

A guide is also available for elementary teachers:

- Infusing Technology into Elementary Curriculum

See below for a sample of our Infusing Technology lessons:

Infusing Technology Lessons	
Infusing Technology	**Sample Lesson**
Language Arts	for Grades 9-11
Math	for Grades 7-10
Science	for Grades 7-10
Social Studies	for Grades 7-10

For Sample lessons, please go to http://futurekids.com/links/products_infusingtech.html

Using **Microsoft Office 2000, XP, 2003, 2007** or **Open Office** software, each Infusing Technology Guide provides teachers with ten ready-to-use classroom technology projects, complete with electronic templates, teacher guides, and student handouts. These projects can be easily adapted for immediate use in the classroom. Teachers then evaluate these projects, as preparation for developing their own. The Guide offers a proven clear, step-by-step process for developing their own technology-infused projects, beginning with their existing instructional resources and based on their own curriculum and students' needs.

The Infusing Technology Self-study Guides come with a comprehensive CD-ROM, which includes electronic templates, samples, handouts, and lesson plans.

In addition, each book in the Infusing Technology Self-study series provides a wealth of valuable teacher technology curriculum resources. Internet sites focusing on specific content-area lesson plans, education technology integration and professional development are also included, as are samples of project evaluation and student performance rubrics. An extensive appendix in each book contains practical software tutorials for all Microsoft Office 2000, XP, 2003, 2007 or Open Office applications, a troubleshooting guide, and a glossary.

Infusing Technology into Curriculum Course

Infusing Technology into Curriculum is offered both as a 2 day, 12-hour face-to-face course, and/or as an 8-hour online, professional development course, designed to provide educators with the resources and practical tools to integrate education technology. For Elementary grades, this curriculum addresses both interdisciplinary and single subject learning activities. For Middle and High School levels, four specific content areas are covered:

- Language
- Arts
- Math
- Science
- Social Studies

This class enables educators to develop an effective process and strategy for education technology integration into a specific curriculum area and to make use of classroom methodology. Participants are exposed to a variety of exemplary technology-infused classroom projects that address national, state, and local content standards including the National Council for Teachers of English (NCTE), National Council for Teachers of Math (NCTM), National Science Teachers Association (NSTA), National Council for Social Studies (NCSS) and performance indicators from the Technology Standards International Society for Technology in Education (ISTE). Class members work collaboratively and independently to construct their own integrated projects for use in the classroom and share them with their peers. In addition, a education technology integration rubric is provided to assist in providing meaningful feedback on the projects. Participants leave the course with a set of adaptable lessons, a variety of evaluative tools to determine their effectiveness and student performance, a plan for creating original content and a wide range of resources and tutorials to use and share.

Course Objectives:

- Select and use appropriate technology to gather and synthesize data and to create and communicate knowledge
- Use content-specific tools, software and simulations to support and enhance the study, analysis and interpretation of data
- Develop and enhance skills needed through the selection and use of appropriate tools and technology
- Use technology tools to compile, synthesize, produce and disseminate information, to generate ideas and questions, and to identify problems and pose solutions
- Design, develop, publish and present multimedia products that demonstrate and communicate an understanding of subject matter
- Access local, state and national standards and correlate them to specific education technology integration lessons
- Develop a process for technology lesson creation
- Create technology-infused lessons and projects that will support their teaching
- Correlate technology applications with course content material

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Topics Covered:

Sample Projects

- Personalizing the Course of Study
- Technology Integration Classroom Projects
- Project Analysis Form

The Internet

- Standards and Performance Indicators
- Web Addresses: Departments of Education
- Lesson Plans on the Web
- Education Technology Integration Activities on the Web
- Professional Development Sites on the Web

Appendix

- Overviews and Tutorials for Productivity Applications
- Troubleshooting Guide

Participant Materials

- 20 Subject-Specific Sample Projects
- Examples and Process Guidelines
- CD-ROM that Contains Adaptable Templates, Samples, Rubrics and Tutorials