

USING NETWORKS & TECHNOLOGY TO SUPPORT LEARNING

<http://www2.eap.muohio.edu/EDT443/>
<http://www2.eap.muohio.edu/EDT2440/>

Constructivist Learning Models Suggest:

- 🍏 Problem-Based Learning (PBL) that is authentic.
- 🍏 Learner is actively involved in his own learning.
- 🍏 Teacher acts as guide and provides “scaffolding.”
- 🍏 Technology used as powerful tools to help solve problems.
- 🍏 Learning is collaborative.
- 🍏 Publish for broader audiences.

How Manifested:

- 🍏 Problems on which professionals in the field work or “real life” problems.
- 🍏 Learners find resources and information to solve the problem, **NOT** the teacher.
- 🍏 Teacher helps students to ask the right questions and identify and find appropriate resources.
- 🍏 Use network resources to find information, communicate with others.
- 🍏 Students share their information with each other and the teacher.
- 🍏 Students publish for each other, the teacher, and other appropriate audiences.

A BRIEF History Lesson Plan Example:

- 🍏 **Problem:** Was the U.S. justified in dropping the bomb on Japan during WW II?
- 🍏 Students frame appropriate questions, search for materials related to the decision to drop the bomb.
- 🍏 Students use the Web to find related information. Students identify and e-mail primary sources (both in the U.S. and Japan) as part of data collection.
- 🍏 Teacher helps students gather information that will allow them to present a balanced perspective; offers suggestions as to where and how to identify resources, as well as how to collect, organize, and evaluate data.
- 🍏 Students work in interdependent teams and share their data/insights with each other via face-to-face interactions, file server, and e-mail.
- 🍏 Students construct multimedia presentations that reflect their answers to the problem and with the teacher, evaluate each other’s work. In addition, students might invite local American Legion Post to see presentations and publish their work on their school’s web server.

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