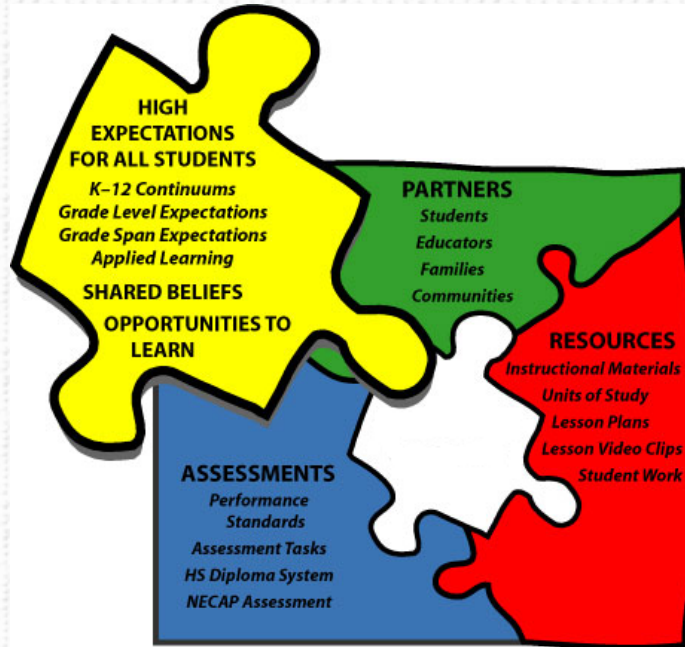




# OpenCourseWare: Empowering Teaching and Learning



**SYSTEM OF SUPPORT FOR STUDENT ACHIEVEMENT**



# OpenCourseWare (OCW)

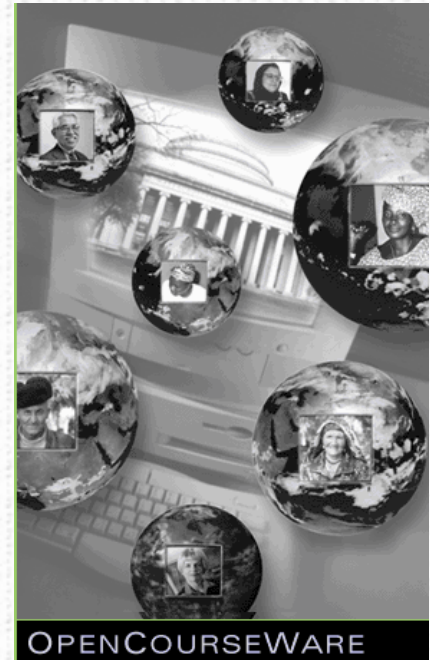
## Purpose:

- to enrich educators content knowledge, improve instruction, and supplement instructional resources
- to accelerate students' learning, pursue topics of interest, and become more familiar with college-level expectations
- to engage self-learners to be more productive and effective, learn about subjects outside of formal classes, and to enhance personal knowledge.



# What is OpenCourseWare (OCW)?

- OpenCourseWare (OCW) is an open and free publication of formal university-level course materials through the Internet
- Typical Components
  - Lecture Notes
  - Lecture Video or Audio
  - Readings
  - Class assignments
  - Exams
  - Syllabus



# What is OpenCourseWare (OCW)?

- Materials used only for non-profit educational purposes
- No pre-registration or application required
- Not degree-granting or certificate-granting
- OCW does not offer any exchange between the learner and the faculty of the OCW institution.



# Scenario: A Demonstration of OCW

- A 9<sup>th</sup> Grade Physical Science Teacher wants to refresh her understanding of static electricity
  - Visit the MIT [OpenCourseWare](#) site
  - Follow links to physics Professor Walter Lewin's course video on Electric Charges.



# Potential Outcomes of Using OCW for our 9<sup>th</sup> Grade Teacher

The Lewin Video...

- Validated teacher's conceptual **understanding**
- Modeled instruction of concepts through demonstration
- Enriched the lesson by providing historical information about the science concepts
- Provided a resource that could be shared directly with students.

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# Activity: Exploring OpenCourseWare Sites

webcast/courses  
Berkeley

As a team:

- Access the [Online Learning](#) site on the RISWC
- Select one of the OCW sites listed on the Online Learning page
- Use the Review Sheet to guide exploration



# Activity: *Continued*



As a team:

- **Select** a specific course.
- **Review** the course for content and media using the Review Sheet.
- **Discuss** with your partner. Be prepared to share!
  - How can this OCW course be used for instruction? by students? by self-learners?

# Brainstorming: Applications of OCW

As a large group:

- Teams report out observations pertaining to the courses visited.
  - Content quality
  - Resources
  - Usefulness
    - For teachers
    - For students
    - For adult learners



# Brainstorming: Applications of OCW

As a large group:

- Teams report out their observations of OCW features:
  - General emphasis of content (is it predominantly science oriented...humanities...etc?)
  - Are there sites that feature more visual and audio media than others?
  - Could these sites be used by students with a minimum of guidance?



# Reflection

- How can OCW impact teaching and learning?
- How could OCW be used to...
  - Develop curriculum?
  - Improve instructional practices?
  - Create assessments?
  - Provide supplemental student resources?
  - Help students learn more about college expectations?



# Appendix: Technical Requirements to View Most OCW Sites

- Course sites work on all platforms
- High Speed connections preferred but most materials can be accessed at 28.8 kbps speeds
- Supported Browsers:
  - Internet Explorer version 6.0+ (Windows)
  - Safari version 1.2.2+ (Mac OSX)
  - Firefox 1.0+ (all platforms)
  - Mozilla 1.4+ (all platforms)
- Necessary specialized software (available on most machines or easily downloaded)
  - RealOne, QuickTime, or Windows Media Players
  - Flash Player
- NOTE: *Most OCW sites list technical requirements needed to use their site.*

