Project Based Learning

Incorporating PBL into Your Family and Consumer Sciences Classes
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Provides FREE instructional resources

- Education and Training
- Hospitality and Tourism
- Human Services

http://cte.sfasu.edu/
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Project Based Learning

An instructional approach built upon authentic learning activities that engage student interest and motivation.
Benefits

• Allows students to investigate and explore their ideas
• Invigorates students and teachers
• Provides concrete, hands-on experiences
• Shows how academic and technical content and skills are applied to the “real world”
21st Century Skills

Fundamental Skills

• Teamwork
• Problem solving
• Research gathering
• Time management
• Information synthesizing
• Utilizing high tech tools

Project Based Learning Skills

• Personal and social responsibility
• Planning, critical thinking, reasoning and creativity
• Strong communication skills, both for interpersonal and presentation needs
• Cross-cultural understanding
• Visualizing and decision making
• Knowing how and when to use technology and choosing the most appropriate tool for the task
Six A’s of Project Based Learning

- Authenticity
- Assessment
- Academic Rigor
- Adult Relationships
- Applied Learning
- Active Exploration

Real Learning, Real Work: School-to-Work as High School Reform, by Adria Steinberg

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<table>
<thead>
<tr>
<th>Education and Training</th>
<th>Hospitality and Tourism</th>
<th>Human Services</th>
<th>Culinary Arts</th>
<th>Cosmetology</th>
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</thead>
<tbody>
<tr>
<td>A Week in the Life of a ... (teacher, administrator, librarian, counselor)</td>
<td>A Week in the Life of a ... (chef, restaurant manager, hotel manager, tour guide)</td>
<td>A Week in the Life of a ... (early childhood educator, dietitian, geriatric care manager, cosmetologist)</td>
<td>A Week in the Life of a ... (executive chef, server, host, busser)</td>
<td>A Week in the Life of a ... (hair dresser, salon owner, nail technician)</td>
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<td>Modified – A Day in the Life of ...</td>
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<td>Diary/Journal Entries – two weeks from the viewpoint of ... (kindergarten student, teacher, principal)</td>
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Authenticity

• Is the project based on a problem or question that is meaningful to the student?

• Is the problem or question one that an adult might tackle at work or in the community?

• Does the project provide the student with opportunities to produce something that has personal and/or social value beyond the school?
Academic Rigor

• Does the project cause the student to acquire and apply knowledge related to one or more disciplines or content areas?

• Does the project challenge the student to use research methods from one or more disciplines? (For example, does it cause him or her to think like a scientist?)

• Does the student develop higher-order thinking skills? (For example, does he or she search for evidence or seek a different perspective?)
Applied Learning

• Does the student solve (design a product, improve a system or organize an event) a problem that is grounded in life and work?

• Does the project require organizational skills and self-management?

• Does the project cause the student to learn and use skills (such as problem-solving, communication, technology and teamwork) that are expected in the workplace?
Active Exploration

• Does the student spend a significant amount of time doing field-based work?

• Does the project require the student to use various methods, media and sources to conduct an investigation?

• Is the student expected to make a presentation to explain what he or she has learned?
Adult Relationships

• Does the student meet and observe an adult who has relevant expertise and experience?

• Does the student work closely with — and get to know — at least one adult?

• Do adults collaborate with each other and with students on the design and assessment of projects?
Assessment

• Does the student use project criteria (that he or she helped establish) to gauge what he or she is learning?

• Do adults from outside the classroom help the student develop a sense of real-world standards?

• Is the student’s work assessed regularly through methods such as exhibitions and portfolios?
End of Course Project Options

• 25 courses
  • Education and Training
  • Hospitality and Tourism
  • Human Services

• Include:
  • Course TEKS
  • PowerPoint™
  • Handouts and graphic organizers
End of Course Project Options - Principles of Education and Training

Lesson Identification and TEKS Addressed

Cluster: Education and Training
Education and Training

- Service Learning with a Smile: Education and Training
- Managing Your Classroom
- Maximize Your Job Search with a Career Portfolio
Hospitality and Tourism

• Building Teamwork: Food Truck Design Project
• Hotel Technology Tools and Website Design Challenge
• Travel Adventures
• Classroom Cupcake Wars Competition
• Iron Chef Classroom Challenge
• Nutrients and Beyond! The Six Nutrient Groups
Human Services

• Service Learning With a Smile – Human Services
• Child Abuse Prevention
• The Balancing Act: Parenting Responsibilities
• Play with Me!
• Focus on Serving Children, Our Future
• Serving Senior Citizens
• Serving Those Who Serve
• Nutritious Cupcake Wars Competition
Project Timeline

• Plan, plan, plan
• Assign projects at the beginning of the semester
• Remind students of the project during the semester
• May work on project one day a week
• Have resources available
• Monitor progress
Assessment

- 28 Rubrics
- Including a blank template

Classroom Essentials/Rubrics

Tips for using rubrics in the classroom:
- Give copies to the students at the beginning of the assignment
- Discuss the expectations
- Have students assess their own progress by referring to the rubric
- Allow students to revise their work
- Use the rubrics for peer-assessment
- Share the rubrics with parents
- Use the rubrics for grading
Other Project Ideas?
Time to Share
Project Based Learning: Success Start to Finish
Questions?
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References and Resources

Article:
• Using Real-World Projects to Help Students Meet High Standards in Education and the Workplace
  Southern Regional Education Board
  Site Development Guide #11
Images:
• Microsoft Office Clip Art: Used with permission from Microsoft
Website:
• Project Based Learning
  Overview, History, Experts, Research
  http://www.edutopia.org/project-based-learning
YouTube™:
• An Introduction to Project-Based Learning
  In this hands-on approach to teaching, students create schoolwork that demonstrates core subject knowledge.
  http://youtu.be/dFySmS9_y_0
• Project-Based Learning: Success Start to Finish
  Go inside Manor New Technology High School, where an unwavering commitment to an effective school wide PBL model keeps both students and teachers motivated and achieving their best.
  http://youtu.be/-OWX6KZQDoE

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