



Academic Service Learning Project Planner

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Date: *11-30-11*

Building: *Kentwood Public Schools*

Grade Level: *K-12*

First Trimester: _____ Second Trimester: _____ Third Trimester: _____

First Semester: _____ Second Semester: X

Name of Project: *Project Eco Fair!*

Project Overview

Give a brief overview of the project you are planning.

I plan to connect with a group of teachers in the Kentwood district to organize an Eco Fair. The end product will be a community and/or school wide event that includes student project demonstrations and presentations pertaining to a topic promoting environmental sustainability. Throughout this project students will be networking with local businesses and experts.

Effective Practice: MEANINGFUL SERVICE

Service learning actively engages participants in meaningful and personally relevant service activities.

What community need will you address and how did you determine the need?

We will be addressing the need to educate all students and community members on ways they can help protect our environment. This need is apparent in our everyday lives as we see the way some people treat the environment.

What service will you provide to address the need?

Students will be giving their time and knowledge to prepare for and make the Eco Fair event a success.

Effective Practice: LINK TO CURRICULUM

Service learning is intentionally used as an instructional strategy to meet learning goals and/or content standards.

How is this project related to your curriculum?

This project can be easily linked to various contents and many grade levels. With that being said, we will focus on the science curriculum as that is the subject in which the

project will likely be managed. This projected can be adapted to elementary, middle school and high school earth science curriculum.

What are the educational goals?

For students to understand how human activities effect the environment and how they can teach themselves and others to make our school/world a better and safer place to live.

Curriculum Crafter Connections www.curriculumcrafter.com

Strand: *Earth SCI: (Earth Systems)*

TLW: *Describe the impact of humans on Earth's systems as renewable and nonrenewable resources are utilized and explain how energy exists in multiple forms which can be transformed and transferred from one reservoir to another. (Instructional Sequence 11)*
(Gist: Energy - Natural Resources and Human Impacts)

Strand: *03SCI: (Earth Science)*

TLW: *Identify and classify renewable and nonrenewable natural resources and describe the human impact on the environment.*
(Gist: Natural Resources)

Additional State Standards and Benchmarks

List standards and benchmarks met by this project. *(You may attach a copy of the Content Standards and Benchmarks highlighting the items met by this project.)*

Once the exact grade level is determined, specific benchmarks will be identified. Here are some possibilities:

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Elementary:

E.ES.03.43 Describe ways humans are protecting, extending, and restoring resources (recycle, reuse, reduce, renewal).

Middle:

E.ES.07.41 Explain how human activities (surface mining, deforestation, overpopulation, construction and urban development, farming, dams, landfills, and restoring natural areas) change the surface of the Earth and affect the survival of organisms.

E.ES.07.42 Describe the origins of pollution in the atmosphere, geosphere, and hydrosphere, (car exhaust, industrial emissions, acid rain, and natural sources), and how pollution impacts habitats, climatic change, threatens or endangers species.

High:

E2.4A Describe renewable and nonrenewable sources of energy for human consumption (electricity, fuels), compare their effects on the environment, and include overall costs and benefits.

E2.4B Explain how the impact of human activities on the environment (e.g., deforestation, air pollution, coral reef destruction) can be understood through the analysis of interactions between the four Earth systems.

E2.4c Explain ozone depletion in the stratosphere and methods to slow human activities to reduce ozone depletion.

E2.4d Describe the life cycle of a product, including the resources, production, packaging, transportation, disposal, and pollution.

Effective Practice: REFLECTION

Service learning incorporates multiple challenging reflection activities that are ongoing and that prompt deep thinking and analysis about oneself and one's relationship to society.

What form(s) of reflection will you use with the students to help them identify what they have learned and accomplished?

Classroom discussions, surveys, video recordings and project evaluations

Effective Practice: DIVERSITY

Service learning promotes understanding of diversity and mutual respect among all participants.

What types of diverse perspectives and experiences will be explored as part of your project?

(i.e.: cultural, generational, abilities/disabilities, learning styles, etc)

As students create their projects they will encounter various perspectives from different resources. For example, a student project topic might be "recycling." What they hear from someone at a recycling center visit might be very different from a community member that they interview. The process involved in planning an event like this will expose students to opportunities and situations that they have not experienced before.

Effective Practice: YOUTH VOICE

Service learning provides youth with a strong voice in planning, implementing, and evaluating service learning experiences with guidance from adults.

How will students gain ownership of the project?

Students have ownership of this project from the get go. It will be their responsibility (with the help of the facilitating teachers) to complete their project and plan the actual event. Knowing that they will have an authentic audience (school/community) relying on them to pull this off will encourage them to take ownership and make this happen.

Effective Practice: RECIPROCAL PARTNERSHIPS

Service learning partnerships are collaborative, mutually beneficial, and address community needs.

Who will you partner with for this project?

I will partner with teachers and students in the Kentwood district for this project. I expect that they will connect with local businesses, non-profit organizations and community members throughout this project. Who they partner with will depend on their EcoFair topic.

How will students benefit from this partnership?

Students will learn how they can help the environment and how they can teach others to contribute too.

How will the partner benefit from this collaboration?

The students will help the partners by promoting the goals of their business or organization.

Effective Practice: PROGRESS MONITORING

Service learning engages participants in an ongoing process to assess the quality of implementation and progress toward meeting specified goals, and uses results for improvement and sustainability.

How will you assess the student learning goals?

Students will be assessed through a project rubric and a written and/or videotaped reflection.

How will you assess your service goals?

We will survey the event participants to see what they learned from the Eco Fair and how they will use what they learned as a member of the school/community. We will also reflect on this service learning experience through class discussions.

Effective Practice: DURATION AND INTENSITY

Service learning has sufficient duration and intensity to address community needs and meet specified outcomes.

How will you prepare students for this experience?

Students will take a field trip to a recycling center and/or water treatment plant. We will also share various videos with students with the hope that they will help students choose a topic that interests them.

What are some sample possible activities students might do as part of this project?

- *Resource efficiency and disposal behavior*
- *Promoting an understanding of renewable energy technologies*
- *Investigating local ecology*
- *Water Conservation*
- *Travel initiatives focusing on promoting walking, cycling, bussing or car pooling*

SUSTAINABILITY

The three arms of sustainability are environmental stewardship, economic growth, and social progress. Think planet, profit, and people.

Describe how your project addresses the issue of sustainability?

As referenced in the project overview, this project centers on promoting environmental sustainability. Students and community members will learn about key local environmental and sustainability topics which hopefully will in turn profit all of us.