Edible Garden Final Presentation

Plant Biology
Burnetta Hinterthuer

Group Members: Tiffany Stephenson

Former Group Members: Alan Sanchez and Henrick Tran
Introduction

Area of Study: Edible Garden
Location: NWACC nature area, northeast of the pond and adjacent to the Medicinal Garden. Contained in a Box structure. It was started in fall of 2012
Purpose of project: The purpose of this project is to learn about the plants native to Arkansas and to preserve them in the Nature Area for everyone to enjoy and learn about. The project will also teach us about Ethnobotany and the importance plants play in our lives.
Project Overview

- Objectives:
  - To improve teamwork and communication skills.
  - Preserve native plants to Arkansas.
  - Hands on experience.
  - To gain a deeper understanding of plants and their functions.
  - To learn the uses and importance of different plants to people.
  - To learn about the ecosystem in which our plants grow.

Wild Strawberries
The Edible Garden serves as a resource for citizens who wish to grow their own edible plants.

Past and present students of NWACC may enjoy the knowledge and usefulness the Edible Garden provides.

Trail walkers can enjoy it as part of the scenery and learn what plants are edible and can be grown in their own backyards.

School children can use the garden to study about plants and learn about their different uses in daily life.
Curriculum

- To learn how to preserve our assigned plants.
- To learn basic anatomy of plants.
- To better understand the uses of plants.
- To understand ecology.
- To learn about plants effects on human life.
- To better understand photosynthesis and cellular respiration.
- All were achieved however more of this was learned from lessons and labs than from EMPACTS project in my opinion. The rest was already known to me.

Nutsedge

Canada Milk Vetch
Methods and Roles

- **Methods:** Set goals and deadlines for specific parts of the project. Group meetings to decide arrangements of projects and who did what. Communication through e-mail and classroom attendance.

- **Timeline:** October, weeded, planted, and mulched garden. Finished proposal. November completed brochure, final presentation, and had help planting the last of the plants.

- **Tiffany:** Photographer, majority (all) of research, proposal, timekeeper, manual labor, web design, organizer, brochure design, final powerpoint design.

- **Henrick:** Researcher, minimal manual labor, web design.

- **Alan:** Researcher, majority of manual labor, tools.
Skills Developed

- **Technology:** I became more efficient at PowerPoint and learned how to create a brochure. The whole team learned about web design.

- **Communication:** There was an extreme lack in communication. Both Henrick and Alan missed a lot of class and we could never sync our schedules to meet up outside of class so we didn’t communicate well, and e-mail was used but not checked frequently enough. Then Alan dropped followed by Henrick due to personal reasons. Thus communication was cut.

- **Organization:** only I turned in all my timesheets and the others dropped before doing anything else besides manual labor.
Technology Used

- **Tools outside:** Shovel, hammer, rake, gloves, wheelbarrow, digger, and marker.
- **Computer Software:** Microsoft Powerpoint, Word, and Excel.
- **Internet:** for research and photos.
- **“Ozark Wildflowers”** by Thomas E. Hemmerly
- **Professor Hinterthuer’s** smart phone
- **Tiffany’s** digital camera
- **Dianne Philips** web design software
- **Our Website:**
  [http://faculty.nwacc.edu/EAST_original/Fall%202013/Plant%20Biology/Hinterthuer/Edible%20Garden/index.htm](http://faculty.nwacc.edu/EAST_original/Fall%202013/Plant%20Biology/Hinterthuer/Edible%20Garden/index.htm)
Project Results

As a team we actually only did one thing together one time, and that was weed the garden. There was a great lack in communication and attendance due to personal problems. And then 2 of the 3 person team dropped so this has become a solo project. My family actually has a farm and a huge garden so I pretty much didn’t really gain anything I didn’t know from planting the garden and weeding it. Also I took Botany in High School. However I did learn a lot about the plants in the Edible Garden that I did not know before like their uses and how to recognize them when I see them.
Some problems besides communication and teamwork were that the new plants didn’t come in on time and it got too cold to plant them on certain days so they ended up getting planted by the NWACC planting team very late into the semester. Also one of the plants died off in mid November. However the rest of the garden has been mulched and is ready for winter.
References and Community Contacts

- Dianne Phillips: For web design and putting up powerpoint and brochure.
- NWACC’s EMPACTS website.
- Tiffany’s camera.
- Professor Hinterthuer’s camera phone.
- NWACC planting team and other staff for finishing planting the Edible Garden area.
- Mike for tools.

Prairie Lead Plant