

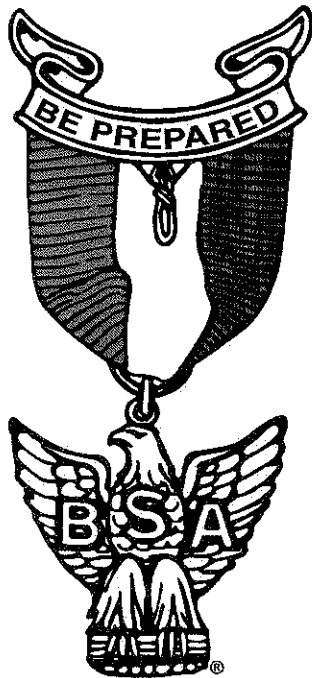


Eagle Scout Leadership Service Project Workbook



BOY SCOUTS OF AMERICA

Eagle Scout Leadership Service Project Workbook



John Paul Brooks

Scout's name

3582 Sandstone Rd Charlottesville Virginia 22911

Address

434-202-8574

12-21-1994

Telephone No.

Date of birth

JeBrooks@comcast.net

E-mail (optional)

Troop 75

Unit No.

Monticello

District

Stonewall Jackson Area Council

Local council

Dean Wenger

Unit leader's name

314 East Monacan Drive, Charlottesville Va 22901

Address

(434)974-9298

Telephone No.

Paula Knight

Unit advancement committee person's name

505 Nottingham Road ,Charlottesville,Va 22901

Address

(434)978-7444

Telephone No.

PROJECT DESCRIPTION

Project name Raised Scientific Plant Beds

Describe the project you plan to do.

For my Eagle Scout service project I will be making two Raised Scientific Plant Boxes and three Bird Feeders for Sutherland Middle School. The project will be in the front of the school with the two boxes being between three trees in the grassy area between the two main entrances. The bird feeders will be spread out in the front, with two of them in the front eighth grade courtyard and the other one in the courtyard where the boxes are. The plant boxes will be made from pre-treated four by four landscaping timbers. The boxes will be 8 feet by 4 feet rectangles, and they will be extended by 1 foot. The boxes will be secured in the ground with rebar that is four inches in the ground and will be placed at the end of each timber with one in the middle for extra support. Underneath each of the boxes will be 50 square feet of weed mat, which will extend past the boxes by 1 foot on the sides and front. I will be filling the boxes half way with organic soil. Around the boxes front and two sides will be brown mulch, and the mulch will go up by four inches from the ground or the height of one landscaping timber. With in the mulch will be 16 assorted size natural cut stones to add beautification to the project . The bird feeders will be made from 32" by 23" by 2" treated pine plywood. The base will be 8 inches by 8 inches, and have two sides that are 8 inches long and 1 inch high. With the other two sides being six inches long and one inch high. The roof support will be 5 inches long and 6.5 inches high with a width of two inches. The roof will be two pieces that are 9 inches by 4.5 inches with a width of 2 inches. The bird feeders will be posted on a 2 inches by two inches by 8 feet long pretreated poles. The poles will go 2 feet in the ground. The bird feeders will be kept together with screws to make them hold for a longer time. This project will be a big help to Sutherland Middle School.

What group will benefit from the project?

Sutherland Middle School

(434)975-0599

Name of religious institution, school, or community

Telephone No.

2801 Powell Creek Drive

Charlottesville

Virginia

22911

Street address

City

State

Zip code

My project will be of benefit to the group because:

My project will help Sutherland Middle school by being used as a tool of study and for education to the students. Teachers will be able to have a visual aid to show how plants grow. Students will also be able to use the plant boxes for experimental purposes, for example; to find what the best type of soil is for plants to grow in. The bird feeders can be used to observe birds, along with students learning how to identify different types of birds. They can also learn the feeding habits of the local birds. The plant boxes and bird feeders have also a second purpose. For a long time now Sutherland has need some beautifications done to the outside of the school, my project will help those needs. My plant boxes, when not being used for learning, will have flowers in them to add some color to the front of the school. The bird feeders will enhance the look of the front of the school by bringing in birds for people to look at. In conclusion my project will help the needs of beautification and will be a great tool of learning.

This concept was discussed with my unit leader on

June 7th 2011

Date

The project concept was discussed with the following representative of the group that will benefit from the project.

Tracy Saxon

April 4th 2011

Representative's name

Date of meeting

Vice Principle of Sutherland Middle School

(434)-975-0599

Representative's title

Phone No.

PROJECT DETAILS

Plan your work by describing the present condition, the method, materials to be used, project helpers, a time schedule for carrying out the project, the estimated cost of the project, and how the needed funds will be obtained. Describe any safety hazards you might face, and explain how you will ensure the safety of those carrying out the project.

If appropriate, include photographs of the area before you begin your project. Providing before-and-after photographs of your project area can give a clear example of your effort.

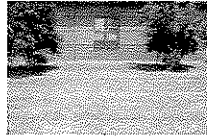
The Present conditions of Sutherland Middle Schools front court yards are just grassy with a few trees. The large court yard is between the main two entrances and the eighth grade front court yard is between the main entrance and the eighth grade wing entrance. The boxes are on a small incline, but that will be taken care of when grass is scraped off and the weed mat goes down. The two Plant Boxes will be each made from 9 pre-treated four by four landscaping timbers. Six of them are full 8 feet long for the front, and back and three of the rest will be cut in half into 4 feet long timbers for the sides. The Boxes will be eight feet by four feet rectangles and they will be raised by 1 foot. The boxes will each be secured in the ground with twelve 18 inch long rebar that are 4 inches in the ground and will be placed at the end of each timber with one in the middle for extra support. Underneath each of the boxes will be 50 square feet of weed mat, which will extend pass the boxes by 1 foot on the sides and front. I will be filling each of the boxes half way with organic soil. Around the boxes front and two sides will be brown mulch, and the mulch will go up by four inches from the ground or one height of a landscaping timber. In the mulch will be sixteen assorted sized natural cut stone. The bird feeders will be made from 32" by 23" by 2" treated pine plywood. I will have two sheets of plywood with one for making the bases. The base will be 8 inches by 8 inches, and have two sides that are 8 inches long and 1 inch high. With the other two sides being 6 inches long and 1 inch high. The roof support will be 5 inches long and 6.5 inches high with a width of 2 inches. The roof will be two pieces that are 9 inches by 4.5 inches with a width of two inches. The bird feeders will be posted on 2 inches by two inches by 8 feet long pretreated poles, which will be going 2 feet in the ground. The bird feeders will be kept together with screw to make the hold for a longer time. I estimate the project to cost me between 200 dollars and 250 dollars, which will come from my scout account. For my schedule of building, I believe that the project will take about four days. I will need about fifteen to twenty scouts with about three adults to help out each day. I will be separating the scouts into two groups. One small group working on the bird houses, and another group large group working on the plant boxes. And I will be providing the food during the day. The scouts that come to work on my project should bring if they have it, rulers, gloves, safety glasses, shovels, spades, rakes, cordless drills, and if any adults has a band saw. The first hazard is the power tools. But that will be solved because when a scout uses a power tool like a drill, they will have adult supervision. For the extremely dangerous power tools like a band saw, I will have only a adult to be able to use it.

The second hazard is potential of pipes and wires getting cut or broken because the bird feeders and the rebar will be in the ground. But that will be solved because a week before I start the project I will have Miss Utility to check the ground for wires and pipes. The third hazard could be dehydration, but to prevent that I will supply bottles of water and the scouts should bring water to the project. Also since the sun will be out during the build scouts and adults should always have sunscreen to prevent sunburn. So all hazards shall be eliminated to make the project safer for the scouts.

"BEFORE" PHOTOGRAPHS



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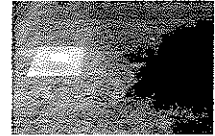
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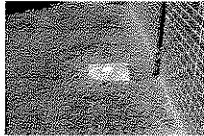
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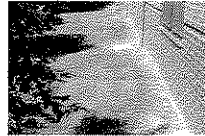
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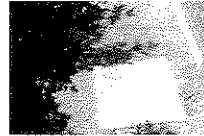
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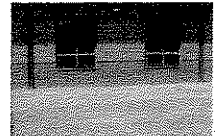
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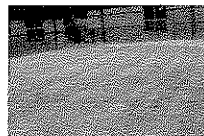
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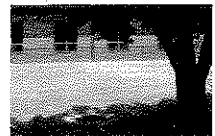
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Approval Signatures for Project Plan

Project plans were reviewed and approved by

Religious institution, school, or community representative _____ Date _____

Scoutmaster/Coach/Advisor _____ Date _____

Unit committee member _____ Date _____

Council or district advancement committee member _____ Date _____

IMPORTANT NOTE: You may proceed with your leadership service project only when you have

- ☐ Completed all the above mentioned planning details
- ☐ Shared the project plans with the appropriate persons
- ☐ Obtained approval from the appropriate persons

CARRYING OUT THE PROJECT

Record the progress of your project. Keep a record of how much time you spend planning and carrying out the project. List who besides yourself worked on the project, the days they worked, the number of hours they worked each day, and the total length of time others assisted on the project.

If appropriate, list the type and cost of any materials required to complete the project. If your original project plan changes at any time, be sure to document what the change was and the reason for the change.

Hours I Spent Working on the Project

The length of time spent should be as adequate as is necessary for you to demonstrate your leadership of two or more individuals in planning and carrying out your project.

Hours I spent: Planning the project 15.11 Carrying out the project 101.13

Total hours I spent working on the project: 116.24

Hours Spent by Scouts, Venturers, or Other Individuals Working on the Project

Name	Date	No. of Hours
John & Jennie brooks	09/03-05/11	13.00/13.00
Lucas L	09/03/11-09/05/11	3.10
Adam Blalock	09/03/11	2.09
Mr Dimeglio	09/03/11	2.40
Rhys Aglio - Dave Aglio	09/03-05/11	5.16 -1.45
Stephen Blair	09/03/11	2.46
Mike Duvall	09/03-04/11	5.4
Brian Duvall	09/03-05/11	7.25
Scott Desmond -Patrick & Sean Desmond	09/03/11	4.00/2.45/2.45
Ben Marsh	09/03/11	2.40
Joe Marsh-	09/03/011	2.40
Conner Knight	09/03-05/11	9.30
Chris Wenger -Dean Wenger	09/03/11	2.30/2..30
Kiernan D & Mr Dimeglio	09/03/11	2.40/2.40
CJ Mayo	09/03/11	4.05
Rick Mayo	09/03/11	4.05
Mychal Mendoza	09/03/11	2.42
John Hinton	09/03/11	2.00
Seymours, Brian & Mark	09/03/11	.25/.25

Total number of hours others worked on the project: 75.13

For a grand total, add the total number of hours you spent on the project to the total number of hours others worked on the project: 101.13

Materials Required to Complete the Project

Type of Material	Cost of Material	
1 Du Pont weed free pro 3x100	24.47	10.86
18 Georgia pacific timbers 8'x4'x4'	35.46	53.46
10 Miracle gro organic soil 2cubic ft	69.70	40.70
4 Garden pro mulch 2 cubic ft	14.00	12.94
2 sand pine plywood 23"x32"x2"	14.64	10.41
3 treated pine poles 2"x2"x8'	8.91	4.38
24 Rebar pins 1/2"x18	47.28	19.88
12 landscaping timber screws (add on)		9.24
2 Bags of bird feed (add on)		11.53
		+
Total	214.46	
Total with discount & add on		173.40

*All money is coming from my scout account

Donations Received

Name	Amount
40 assorted natural stone donated by Luck Stone est.	28.00
All item from Lowes sold at cost	52.59
Lunch & Water donated by Jennie Brooks	40.00
total	120.59

Changes

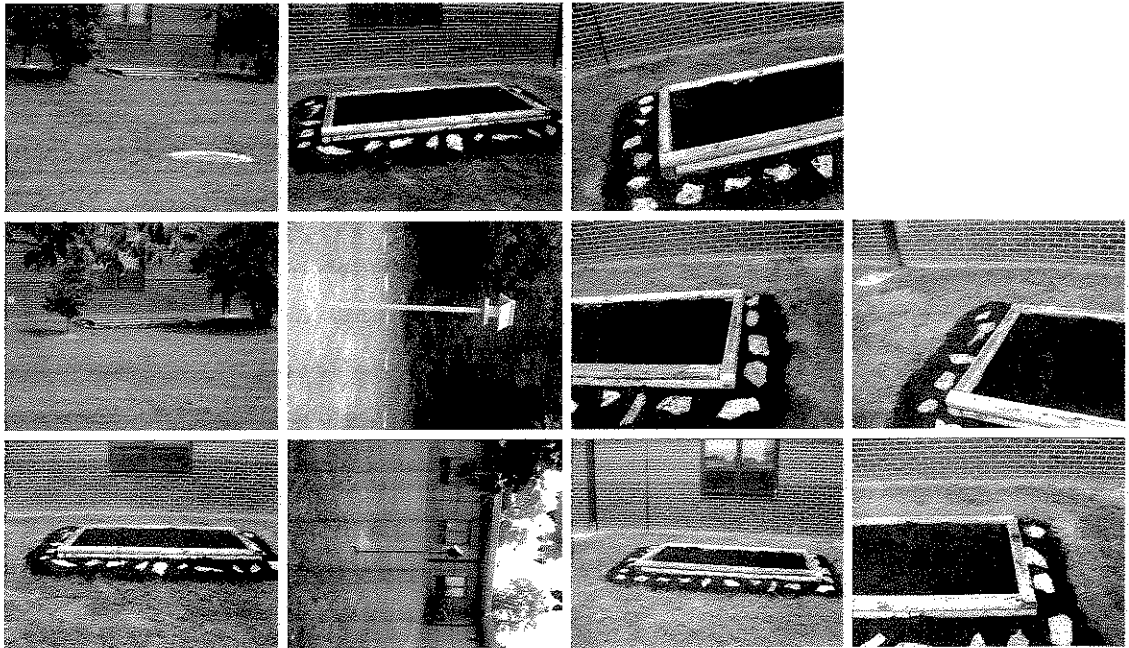
List any changes made to the original project plan and explain why those changes were made.

Overall my project went according to schedule with a few changes made. For the plant boxes there were three changes. The first was, I added six landscaping timber anchor screws to each box. These were added to give extra safety and keep the boxes in place. I added extra rebar to the eight foot timbers for extra stability. Additionally, I added one more bag of mulch to the backs of the boxes. I did this to balance the look of the mulch around the boxes.

The bird feeders, I found that my dimensions were off. The base was good, but the sides needed to be 6x1 inches instead by 8x1 inches to add a ledge. The roof I changed from 9x9 inches to 11x12 inches to give more coverage for the feed to keep it dry. The support was changed to 5 3/4x10 inches with a 45 degree angle at the top. Added to the roof was a 2x2 inches pole to tighten down the roof sides to prevent leaks. Cement was later added to poles that were in the ground to keep them from falling or being pulled out of the ground. What I would of done differently in the first write up was to design a model of the feeders, that way I would of caught the design errors at the beginning.

Everyone responded real well to my leadership . I had more volunteer the first day than needed ,but everyone did as I ask and the project went smoothly.

"AFTER" PHOTOGRAPHS



Including photographs of your completed project (along with the "before" photographs on page 9) helps present a clearer overall understanding of your effort.

Approvals for Completed Project

Start date of project _____

Completion date of project, including paperwork and final signature _____

The project was started and has been completed since I received the Life Scout rank, and is respectfully submitted for consideration.

Applicant's signature

Date

This project was planned, developed, and carried out by the candidate.

Signature of Scoutmaster/Coach/Advisor

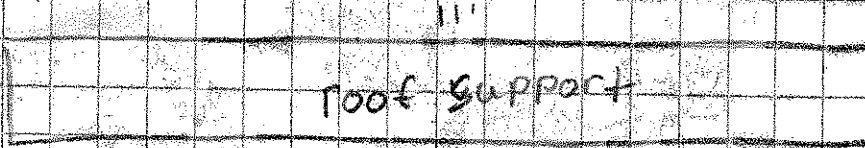
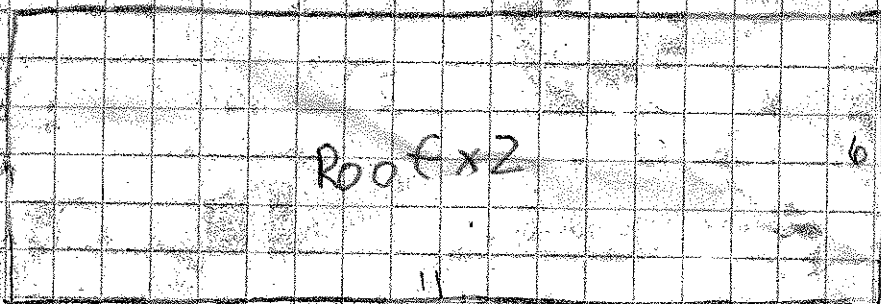
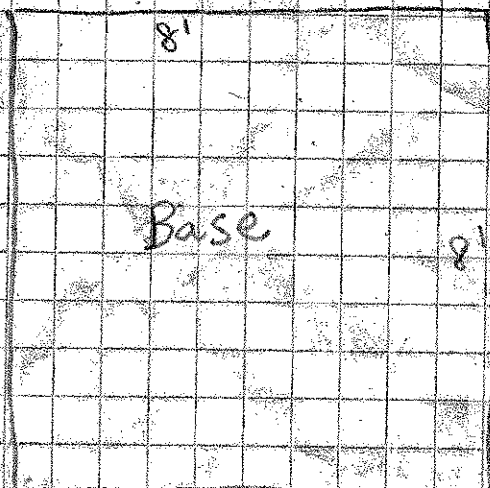
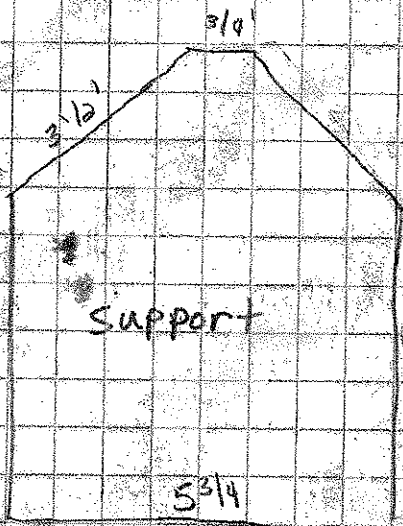
Date

Signature of the representative of religious institution, school, or community

Date

Sides x 2

Sides x 2



FROM THE DESK OF
JOHN P BROOKS

Att: Albemarle Co School Board
cc. Jeff Rohm

To Albemarle School Board,

My name is John Brooks. I am a life scout at Troop 75. On August 11, 2011, I was approved by the school board to build my EAGLE project at Sutherland Middle school.

I want to take this time to thank you for allowing me to do this project. This project will not only give a visual interactive tool to study the plants and birds. It will also help me achieve the rank of EAGLE scout.

Thank you again for allowing me to give back to Sutherland Middle School and the community, in which I live in

Sincerely,

A handwritten signature in black ink that reads "John P Brooks". The signature is written in a cursive style with a large, stylized "J" and "B".

John P Brooks