



Holdenville Education Foundation, Inc.
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Grants to Teachers Application Form

*Please use a typewriter or word processor to complete this application.
Submit in the format listed below.*

Date: 04/04/04
Grant Title: Thomas Elementary Is For The Birds
School: Thomas Elementary
Grade Level: 4,5,6
Content Area: Biological, Earth, Ecological, And Life Sciences
Total Dollar Amount Requested: 2328.37

1. What is the Major Educational need this grant addresses?
2. Approximately how many pupils will be affected by this project, both directly and indirectly?
3. Describe your grant including methods, materials and objectives.
Foundation grants are intended to fund a creative teaching plan, so if equipment or materials are requested it should be clearly stated as to why these are an integral part of the plan.
4. Give a time schedule of implementation.
5. Detail your budget request. Include specific information about kinds of materials and equipment needed, sources of supply, and costs (including shipping and handling.) If possible, list alternatives if full funding is not available.
6. What methods will be used for measuring the stated objectives, or what definite evaluation will you make to determine whether the grant was successful? (Please be specific.)

Signature of Grant Applicant

Signature of Building Principal

Please mail applications to: Holdenville Education Foundation
PO Box 641
Holdenville, OK 74848
Attn: Teacher Grants Committee

If you have any questions or need further assistance, please contact Shellie Gammil at Thomas School.

1. MAJOR NEED ADDRESSED BY THIS PROPOSED PROJECT

Scientific learning is learning based on experimenting, building on concepts that students have mastered through actual “hands on” experiences. Exposure to conservation of our land, water, air, and organisms is of utmost importance to our students, as well as our world. This proposal incorporates biological, earth, ecological, and life sciences. It also allows our students to learn firsthand appreciation for the world they live in.

Specifically, this project would establish a bird sanctuary at Thomas Schools (Outdoor Classroom area) that will be built by the 4th, 5th, and 6th grade students with assistance from their teachers, volunteer parents, local specialists, and Holdenville Schools personnel.

2. DESCRIPTION OF PROPOSED PROJECT

Objectives:

This project will involve a funnel-shaped learning process for students at Thomas. This project/learning process will begin with the fourth grade, expand into the fifth grade, and complete the knowledge-based learning in the sixth grade. Our curriculum will engulf areas concerned with conservation of our bird populations in Oklahoma- characteristics, nesting habits, food sources, and migration patterns. Units to be taught in the 4th, 5th, and 6th curriculum were incorporated from supplemental materials from many sources. This project will be integrated into our curriculum annually.

4th Grade Curriculum- Units of Study and Projects:

- Unit 1-What Makes a Bird Fly?
- Unit 2- Bird Life Cycles
- Unit 3- Bird Creature Features
- Unit 4- Classification of Oklahoma Birds
- Unit 5- Food Sources
- Project - Building Birdfeeders
 - A. Feeder Boxes
 - B. Hummingbird Feeders
 - C. Plastic Birdfeeders
 - D. Wooden Birdfeeders

The fourth grade will also be responsible for filling and upkeep of birdfeeders.

5th Grade Curriculum- Units of Study and Projects:

- Unit 1-Classification of Birds II
- Unit 2- Bird Habitats
- Unit 3- Summer and Winter Oklahoma Birds
- Unit 4- Migrating Oklahoma Birds
- Unit 5- Migration Patterns

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Project- Building Birdhouses

- A. Single Dwelling Birdhouses
- B. Multiple Dwelling Birdhouses

The fifth grade will also be responsible for the placement, cleaning, and upkeep of the birdhouses. They will also be responsible for bird sightings, and bird populations.

Sixth Grade Units of Study and Projects:

Unit 1-Classification III

Unit 2- How Birds Make A Living

- A. Birds of Prey
- B. Insect Eaters
- C. Fish Eaters
- D. Mud Feeders
- E. Nectar Eaters
- F. Scavengers

Unit 3- Bird Gardening-Plants That Birds Choose to Eat

Unit 4- Bird Sheltering- Plants That Birds Choose for Shelter

Unit 5-Attracting Birds/Bird Life Stations

Project: Blueprinting Bird Sanctuary/ Plantings

The sixth grades' biggest responsibility will be drawing up blueprints for the entire bird sanctuary. They will ultimately decide where every feeder and house should be placed since they are planting the food sources for most bird populations.

They will be responsible for cultivating, planting, and watering trees, shrubs, and perennials.

Special Education Classes at Thomas:

While the students in our special classes will be involved in the hands-on projects, the subject matter may be inappropriate for them. We have developed three units for these specific learners.

Unit 1- Picture Book of Oklahoma Birds

Unit 2- What Do Birds Eat?

Unit 3- The Colors of Oklahoma Birds

All Thomas students will be introduced to bird watching, bird counting, and care of our bird populations. My desire is that they will also learn appreciation for our bird sanctuary, and pride in our community.

RESOURCE MATERIALS REQUESTED:

Sam Noble Natural History Exhibit: Oklahoma Birds	25.00(for 2 weeks)
Birdhouse Book	11.69
Everything You Need to Know About Birding	20.00
Bird Gardening	11.69
A Guide to Bird Homes	3.99
Oklahoma Bird Identification Books	10.50 X 24= 256.00
Birdhouse materials/kits	200.00*

Mr. Davenport- Fish Hatchery

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3. Time Schedule of Thomas Proposed Projects

This project will be an ongoing project- it will envelope an entire school year. The fencing and cleanup of area will need to be done prior to the beginning of the school year. This proposed schedule is an estimated time schedule since our science department at Thomas has never attempted a yearlong project.

Sixth grade blueprints for Bird Sanctuary- September

Fifth grade birdhouses built and placed—approximately 4 weeks, October

Fifth grade will check birdhouses weekly, from October until May

Fourth grade birdfeeders built and placed- approx. 4 weeks, November

Fourth grade will check birdfeeders weekly, from November until May

Sixth grade preparing placement of plants- approx. 2-3 weeks, February

Sixth grade placing plant life- approx. 2-3 weeks, March/April

All 3 grades will be responsible for the maintenance/progress of this project.

Mr. Tiger and Mr. Gentry will water our new plants during the summer months when school is not in session, and Mrs. Paslay's summer class will do the preparation work for the beginning of school. We are hoping to attract winter birds and summer birds through this project; therefore, it will be a continuous work in progress.

4. APPROXIMATE STUDENT POPULATION AFFECTED BY PROPOSED PROJECT, DIRECTLY OR INDIRECTLY.

By the end of the school year 2004-2005, every student enrolled at Thomas school will have directly interacted with this project. The indirect affect should extend to Thomas' student population for years to come. This project/site could also become an educational center for other schools to observe Oklahoma bird populations and nesting sites.

5. DETERMINATION OF ACHIEVED OBJECTIVES/ SUCCESSFUL PROJECT

This project allows for classroom assessments using the Units outlined for each grade level. The units for grades 4,5,6 will be taught as the projects are being completed. Each unit will take approximately 1 to 3 class periods to complete. Due to the fact that our science curriculum/pass objectives stretch into many facets of science, each teacher will be responsible for a syllabus for this project. Each teacher will also be responsible for documenting students' classroom activities and outdoor activities. Mrs. Gammill and Mrs. Mondin will oversee documentation of activities/learning experiences. Documentation from all three levels will be placed into a portfolio to record our students' academic success and conservation awareness for the school year 2004-2005.

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Birdfeeder materials/kits 200.00**
Plants 200.00***
Fencing the back side of the Outdoor Classroom- 100 ft. x 14.00 = 1400.00
(fence plus installation)

Total= 2328.37

Explanation of resource materials requested:

- *I have requested 24 books. That will be a class set, and will be shared by 4th, 5th, and 6th grade.
- **I have requested funding for approximately 20 birdhouse kits. With 100 students and 4 periods, this will give each period 5 birdhouses to complete.
- ***I have requested funding for approximately 20 birdfeeders. With 100 students and 4 periods, this will give each period 5 birdfeeders to complete.
- I have budgeted 200.00 for plant life. While researching this project, I collected a list of plant life that is environmentally balanced for Oklahoma Birds. This list will be part of the sixth grades curriculum, but they will make the decision as to which plants to purchase as part of their project. I have estimated that 200.00 will purchase the plant life needed for the sixth grade project.

Fencing/Security – There is actually around 250 feet of unfenced area, but this proposal was written for only 100 feet because an outside source has agreed to finance the cost of fencing the other 150 feet. Even though the fencing is a cost the students will not actually use, it has to be part of this project. The south end of the Outdoor Classroom has been fenced in the past, but it has been destroyed. With the 6 ft. fence in place along that back corridor, it will keep humans, bikes, four-wheelers, and large animals out of the bird sanctuary. Without this expensive fence, all of the work the students expend will be wasted due to outside interference.

Other Expenses/Resources

There are many other expenses to attaining a bird sanctuary. There is the expense of cleaning and repairing the Outdoor Classroom. Holdenville Schools Maintenance Dept. will take care of this need. Andrea Jones, of the Soil Conservation, has donated two concrete benches that are already in place. She has also offered to repair the wooden bridge. The bird food and bird seed are expenses that will be funded by Thomas School fund.

The preparation of the ground for plant life, and the use of tools such as shovels and hoes will be provided/donated/volunteered by the teachers. Mrs. Paslay's summer science class will do some of the groundwork.

Mr. Tiger, Thomas custodian, has volunteered to help place birdfeeders and birdhouses, and parent volunteers will oversee the building projects.

Other resource people who have volunteered their time:

Mr. Barrick- Forestry Service

Mr. Reavis and Ms. Andrea Jones- Soil Conservation

Mr. and Mrs. McLoud- Retired Science Teachers