



Instructional Grant Program - Mini

Submission Deadline: January 17, 2013

Name: Kathryn Kilgore School: Langley Elementary

School Address: 16 Rockwell Rd. Hampton, VA 23669

Telephone No. 757-850-5105 Email: kkilgore@hampton.k12.va.us

Position & Title: 2nd grade teacher

Project Title: Paper Please!

This project is designed for Elementary Middle High School Other

Target Grade Level(s) 2 Subject Areas or Discipline: Science/SS/Writing

Narrative (Please answer the following)

1. Project description: Please describe your project in as much detail as possible. Be sure to include a brief description of plans and activities for your project.

This Paper Making project would be taught at the end of the school year when plant resources are taught. The lessons will take place in June and will take about one week or week and a half to complete. First, students learn that paper is made from a natural resource (wood). Students will also learn a brief history and the process of paper making at paper mills. They will read a book, *Trees to Paper* (Welcome Books: How Things Are Made) and view a flipchart about the origins of paper and the papermaking process. A class discussion of the history and papermaking will follow. From the discussion, the students will relate how paper comes from a natural resource and that paper is made in paper mills (capital resources). The people making the paper are the human resources. Next, working cooperatively in groups, students will use paper from the classroom recycle box to make stationery (paper). The students will be divided in small groups of three or four. They will each have a deckle (wood frame with a screen), a tub, a sponge, paper from recycling box, and flowers and other

2. Standards of Learning Objectives: What are the learning objectives of this project? How do they correlate with the Virginia Standards of Learning?

Learning Objective: The student will investigate and understand that plants are a source of useful products. This correlates with Science SOL 2.8 -The student will investigate and understand that plants produce oxygen and food, are a source of useful products, and provide benefits in nature. Key concepts include a) important plant products (fiber, cotton, oil, spices, lumber, rubber, medicines, and paper)

Learning Objective: The student will discuss natural, human, and capital resources that are involved in papermaking. This correlates with Social Studies SOL 2.7 The student will describe natural resources (water, soil, wood, and coal), human resources (people at work), and capital resources (machines, tools, and buildings).

The students will use recycled paper and produce paper. This correlates with Social Studies SOL 2.9 -The student will explain that scarcity (limited resources) requires people to make choices about producing and consuming goods and services.

producer: A person who uses resources to make goods and/or provide services

Learning Objective: The student will write a friendly letter to a school staff member.

This correlates with Language Arts Writing SOL 2.12-The student will write stories, letters, and simple explanations a) b) c) Generate ideas before writing. Organize writing to include a beginning, middle, and end for narrative and expository writing. Expand writing to include descriptive detail. d) Revise

3. Evaluation: How will you know if the objectives have been met? How will the outcomes be measured?

-One way I will know if the objectives have been met is by observation. Students' participation in their class discussion will be noted. The teacher will be looking for a good understanding of the paper making process, and natural, human and capital resources.
 Also the students' cooperation in their groups will be observed and noted.
 -Formal assessments will include a science quiz on plant resources and end of year benchmark tests.
 -I will use a writing rubric to evaluate the thank you letter written by each student. Neat cursive handwriting with proper spacing is included on the writing rubric.

4. Dissemination: Would your project be of value to other educators? How would you share your ideas?

My project would be of value to other educators. The papermaking lesson is suggested in our Hampton schools curriculum. I would love to own the equipment to teach this lesson each year. I would also share the lessons and papermaking supplies with the 2nd grade teachers on my team. I could also share the paper making supplies with other schools and scout groups. The paper making supplies would last for many years.

Budget:

Item	Quantity	Cost
Trees to Paper book	1	4.95
Trash to Treasure book	1	11.32
Arnold Grummer Class papermaking Kit	1 (contains 6 frames)	119.00
large tubs	6	48.00
Recycled Envelopes	2 boxes	12.00
large sponge	6	10.00
blender	1	25.00

Total Requested: \$230.27

Kathryn Kilgore
 Applicant Signature

1/15/13
 Date

Pat Bell AP
 Principal Signature

1/15/13
 Date

Submit a typed original and 3 copies to:
 Ann Bane, SAC, 1 Franklin Street, Hampton, VA 23669

Application should be signed and dated by the teacher submitting the Grant Proposal and by the principal of the school. Applications not signed by the principal will not be considered. A committee of Foundation Board Members will review Grant Applications.

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As a follow up discussion and lesson, the students will read the book, *Trash-to-Treasure Papermaking: Make Your Own Recycled Paper from Newspapers & Magazines, Can & Bottle Labels, Discarded Gift Wrap, Old Phone Books, Junk Mail, Comic Books, and More*. Students can use these ideas and their new paper making skills to create their own projects during the summer.

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Learning Objective: The students use cursive handwriting which correlates to Writing SOL 2.11-The student will maintain legible printing and begin to make the transition to cursive.