



Carrollton Elementary School, Isle of Wight County Schools
 14440 New Towne Haven Ln, Carrollton, VA 23314 USA
 Contact email: kvukmanic@iwcs.k12.va.us
 Grade: 1st

Postcard

Overview Students American Reading Company (ARC) was the driving force of this project. Students read, researched, and wrote about an animal. The first graders became "animal experts" over the course of nine weeks. The resource teachers collaborated and designed a project around the animals that the first grade students researched, with the generous support of an Isle of Wight Education Foundation grant. Each resource class embedded the project into their content instruction. In the end, the first grade students constructed an animal puppet with LED eyes, where they applied circuitry knowledge and used recycled materials. They also painted their habitat background, coded their animal in its habitat, researched and learned movements and sounds of their animals and created a movie using their animal puppets using a green screen.

Driving Question How do animals move and sound in their habitat?

Student Reflections "I was proud of the gorilla I made."—*I. T.*

Parent Reflection "I think it's pretty fantastic how much extra information [first graders] got from this project."—*M.A. (Parent)*

Lessons Learned "If time is a factor, you can eliminate using the LED eyes in the puppets."

Did Project Meet Goals? 4 out of 5 (Likely to Recommend)

PBL Unpacked (on page 2)

As identified using "Unpack My PBL" within www.pbllounge.org



PBL Unpacked

As identified using "Unpack My PBL" within www.pbllounge.org

WANTS

NEEDS

Public Project

- Performing:* Demonstration Performance
Speech/Spoken Word Performance
- Interacting:* STEM Experiment/Exercise
Exhibit/Contest
- Producing:* Model or Prototype
Product
Animal Research Book
- Revising/Iterating:* Execute Multiple Drafts
Participate in a Rehearsal
- Presenting:* Utilize Visuals

Questions & Themes

- Challenging Problem:* Reveal the World
- Themes:* Environmental
Research-based

Project Parameters

- Project Timeframe:* More than 8 Weeks
- # of Project Members:* Individual; Small-Large Group; Flexible
- Grade Level:* Elementary
- Authentic Connections:* Peers
Teachers & Administrators

Media Produced

- Digital Content:* Video Media (iMovie)
Audio Media
Digital Photography
- Tactile:* Building
- Print or Other Media:* Print Advertising
Signage
Scrap (a Junior Coding App)
- Artistic Composition:* Script for Film, Documentary or Play
- Technical Writing:* Lab/Research Report
- Physical Drawings/Fine Arts:* Animation
Painting

Success Skills

- Creativity:* Brainstorm
Change
Design/Create
Elaborate/Expand
Envision
Improve/Refine
- Communication:* Engage Creatively
Point of View
Technical Presentation
- Collaboration:* Encourage Others
Ignore Distractions
Incorporate Feedback
Respond to Failure
Work Fluidly to Meet Deadlines
- Critical Thinking:* Analyze
Assemble Parts of a Whole
Innovate
Overcome Obstacles
- Instilled Citizenship Values:* Personal Responsibility
Strong Personal/Work Ethic
Sense of Public Duty
Social Responsibility

Real World Exploration

- The Physical World:* Animals, Pets & Wildlife
- Humans in the World:* Habitation & Population

Authentic Industries & People

- Career & Technical:* Arts & Entertainment/Movie Making
Printing, Publishing & Authorship
STEM Research & Applications

Areas of Knowledge & Understanding

- Arts:* Art Studies; Music Studies
- Communication:* Journalism & Broadcasting;
Technical Writing
- Engineering:* Electrical Engineering;
Mechanical Engineering
- Information Technology:* User Experience Design
- Sciences:* Bio Sciences; Earth & Geo Sciences
- Sports Studies:* Physical Education & Exercise Physiology

For **additional resources** provided with this PBL, follow links beneath the **Animals Alive** thumbnail on the [Isle of Wight County Schools](#) page within the [PBL Lounge](#).



LOUNGE