

**MAISA and the REMC Association of Michigan
Best Practices in Technology Integration
Plan**

Title: Endangered Species Presentation

Subject(s): Reading, Science, and Computer Technology

Intended Grade Level: 5-8

Editor's note - The sample HyperStudio stacks for this lesson can be found on the Best Practices CD in bstpract/075

[Sample title card](#)

[Endangered Animals Stack](#)

Description:

The purpose of this unit is to have the students learn about endangered species; a topic that coordinates with the Houghton Mifflin reading series unit "Operation Wildlife". The students will prepare a report and a 3-5 minutes presentation. The students will be encouraged to use technology for their research to create their final project. When finished the students will have access to an up-to-date database for each of the wildlife that was studied. The final project will be a series of HyperStudio Stacks that will contain information about endangered animals.

Curriculum Benchmarks:

[MI.SCI.II.1.E.4](#) . Develop an awareness of and sensitivity to the natural world.

[MI.SCI.III.5.E.5](#) . Describe positive and negative effects of humans on the environment.

[MI.ELA.2.LE.1](#). Write fluently for multiple purposes to produce compositions, such as stories, reports, letters, plays, and explanations of processes.

[MI.ELA.3.LE.1](#). Integrate listening, speaking, viewing, reading, and writing skills for multiple purposes and in varied contexts. An example is using all the language arts to prepare and present a unit project on a selected state or country.

[MI.ELA.3.LE.4](#). Distinguish between verbal and nonverbal communication, and identify and practice elements of effective listening and speaking. Examples include recognizing the impact of variations of facial expressions, posture, and volume on oral communication.

[MI.ELA.11.LE.2](#). Identify and use the kinds of resources that are most useful and most readily available for the particular question or topics they wish to investigate. Examples include knowledgeable people, field trips, tables of contents, indexes, glossaries, icons/headings,

hypertext, storage addresses. CD-ROM/laser disks, electronic mail, and library catalogue databases.

MI.ELA.11.LE.4 Using multiple media, develop and present a short presentation to communicate conclusions based on the investigation of an issue or problem. Examples include charts, posters, transparencies, audio tapes, videos, and diagrams
Materials/Hardware/Software:

To complete this project students should have access to the following:

- Access to the Internet and the World Wide Web.
- Hyperstudio for Roger Wagner Publishing.
- The Endangered Species template stack included in this lesson.
- A copy of the included activity sheet.

Technology Rationale:

Technology can be a powerful research tool. With access to on-line and CD-ROM materials, students will have access to the most up-to-date information. In addition, students can use computer technology to create databases of the information they find. This will provide a resource that can be used by other students once the project is completed.

Activities/Procedures

Teacher pre-activities:

- 1) The teacher needs access to a computer which has HyperStudio from Roger Wagner Publishing installed on it.
- 2) The disk containing the HyperStudio stack needed for this activity. The needed cards can be found in a folder called Endangered Species.
 - a) Title Card-This beginning card will identify the student's stack. The text in the "text box" may be changed to include the student's name, the animal's name and any other information the student may wish to provide. The student may include clip art, animation, a movie clip or draw his/her own picture of their animal.
 - b) Option Card -The next card contains three to four buttons that
 - c) will allow the other students to chose a component of the project to explore. The buttons that are in the example are the requirements for this project.
 - d) Template Cards-The following cards the students use to guide them through to the finished product.
- 3) Before beginning the activity with students, the teacher should prepare one disk containing the project cards for the group. The best way to do this is to start HyperStudio and load the Activity stack. Insert the floppy disk into the floppy drive and then select File-Save Stack As....type the name of the animal that this stack will be used for and click on Save. The stack may then be used for reference and for introducing the activity.

- 4) Select appropriate electronic resources for the students to use for their research. If you will be using the Internet for student research, you may want to designate certain Web sites for students to find information from.
- 5) Prepare enough student activity sheets for all students.
- 6) Students will need to be shown how to use the computer to do their research and how to use HyperStudio. It is important that they know how to capture graphics using the Web Browser. They will need these graphics, saved to disks, for the final HyperStudio stack. Students do not need to be experts on the use of HyperStudio to complete this project. They will need to know how to start HyperStudio, to load a stack, to save a stack, to insert a graphic object, to delete text in a text box, and to type text into a text box.

Activities:

1. Introduce the activity to the students explaining why they are doing it and what they should expect to do and to learn. If this activity will be used with the Houghton Mifflin series, it should be started shortly after the unit "Operation Wildlife" is introduced in the reading book.
2. Assign individual students an endangered animal that they will research.
3. Demonstrate the electronic research materials that the students will be able to use for this activity. It is recommended that you use resources from the Internet that you have previously "Bookmark" for the students. Show the students how to access these sites for their projects.
4. Demonstrate to the students how to use HyperStudio for this project. Use the sample Endangered Species stack include with this project. Also review word processing with them.
5. Demonstrate to the students how to capture a graphic object off the Web and save it to their disk. You may also want to demonstrate the operation of the scanner and how to insert a movie clip into their stacks.
6. If a lab is available, all students may work on the project during regularly scheduled lab times. If you have computers in the classroom, students will need to be scheduled for computer time. Each student should get at least 15 minutes at the computer for doing research.

Assessment/Evaluation:

Content

- | | |
|---|---|
| A | "B" plus
Covers topic in depth
Raises questions
Includes details |
| B | "C" plus
Elaboration beyond minimal requirements |

Text in correct English

- C Fulfills minimal topic requirements
Cites 3 references

Technology

- A "B" plus
Movie or animation include
Graphics from 3 outside sources
- B "C" plus
Has 2 more cards
Graphics from 2 outside sources
Add sounds
- C Fulfills the minimal requirements
Original format used
Graphics from 1 source
Shows effort and growth

Student Evaluation:

- What information did I learn from this project?
- What new processes did I learn on the computer?
- What was the easiest thing for me to learn?
- What was the hardest thing for me to learn?
- How would I change this project if I could redo it?

Follow-up Activities:

- Have students research laws that were passed to protect their endangered animals.
- Have students research different groups that help protect endangered animals.
- Develop a "Jeopardy Game" using the stacks that the students have created.
- Have a presentation for the parents and other classes to show their stacks. Be sure to demonstrate the creative ways the stacks were put together.

Name: Carlina Breitner

School: Ludington Area Catholic School

Address: 700 E. Bryant Rd.
Ludington MI 49431

Endangered Species Student Activity

For this project you have been assigned an endangered animal. You will do research using the electronic encyclopedias or the Internet sites the teacher has bookmarked for you. In your research, you will want to take notes on the animal's environment, eating habits, why the animal is endangered and what people are doing to help this animal. You will also be looking for pictures and other graphic objects for your stack. You will need to save these graphics on a disk for later use. Your teacher will give you instructions on how to do this. The teacher will tell you what resources are available to you and demonstrate the HyperStudio.

Your final project will consist of a HyperStudio stack and a 3-5 minute presentation on an endangered animal that the teacher will give to you. This HyperStudio stack will contain information and graphics about your animal. HyperStudio stack is a computer file that is produced by the program HyperStudio. Using the computer and HyperStudio, you will record information in these stacks.

You will be given a floppy disk in which to save your stack on. Your teacher will demonstrate the HyperStudio by using an example of a stack on an animal.

Each card in this stack will explain the information you will need to find about your animal. A sample of each card is include in this activity.

You will need a title card with the animal's name and your name on it. You may place a piece of clip art or draw your animal on it. You may also place a border or color the background. You will also need a button to advance the card.

The next card is the content card. This card will allow you to go advance to each content requirement. You will need button to advance to the different components. A piece of clip art or a drawing may be used.

One of your requirement cards will be food. In the text box, you will write a short introduction about the type of food and where your animal finds his food. Again you may add a drawn picture or clip art.

Another requirement will be a short description of your animal. Briefly describe the animal.

The third required card will be the environment of the animal and how man is effecting this environment. Again you may use a piece of clip art, a movie, or a drawn picture.

Now that you have finished all of your research you can begin to get your information ready to enter into the computer. Before you go to the computer, write all the articles you will need to type on each card. Have some other student read what you have written and ask them for their opinions.

Before you go to the computer make sure that you have checked all of your articles and all of your graphic that you will need. to complete the project you will need to do the following at the computer.

1. Turn the computer on.
2. Start HyperStudio.
3. Click on the Open Stack Button.
4. Open your endangered animal stack or the template stack. (If you open the template stack, IMMEDIATELY chose Save Stack As from the File Menu . For the name of your stack use the animal's name. Type this into the Filename then click Save.
5. Begin entering the information on each card of the stack. Make sure that you put the name of your animal at the top of each card. As you type, be careful to spell correctly and proofread what you type.
6. As you work, save your work often. To do this select Save Stack from the File Menu.
7. When you have completed all of the cards in your stack, have another student review your stack for any errors.
8. When you are satisfied that the stack is completed, turn the stack into your teacher.

Note-if at anytime you have trouble using HyperStudio, ask your teacher or another student for help.