



Penguins

Unit/Lesson Plan Title: Penguins

Subject: Science

Grade Level: 2

Length of Unit/Lesson: 1 week

Unit/Lesson Summary: Students will learn about penguins in the classroom.

With partners, students will research a specific type of penguin using print and websites. They will record the data on a paper flip chart and then will transfer that data to spreadsheets to compare the characteristics of the different types of penguins.

NCSCOS Essential Standards/ESOL objectives Addressed in Unit/Lesson:

Science:

5.06 Identify and describe the people, vegetation, and animal life specific to certain regions and describe their interdependence.

Technology:

1.08 Identify and discuss spreadsheet terms/concepts

2.04 Use spreadsheet software in content areas to enter, display, and identify sources of data as a class.

Library and Information Skills:

4.05 Gather information

4.07 Organize and use information

Essential Question(s):

Technology: How can I use a spreadsheet to enter and display data about penguins?

Library and Information Skills: How do I use multiple resources to find information about penguins?

Materials/ Resources:

Miscellaneous library books about penguins, websites appropriate for student's age and information needs.

Numbers software

Key Vocabulary:

Library - review prey, predator, location, weight, height, and what "special characteristics" mean.

Technology - spreadsheet terminology (cell, row, column, sort, ascending, descending, data).

Procedure:

After completing research about various penguin types in the media center, students will use their data to create a spreadsheet that compares the height, weight, location and other characteristics (such as predator and prey) of each type. They will also learn to sort the penguin names, height, and weight by ascending and descending order.

Unit/Lesson Accommodations for Differentiated Instruction

Enrichment: (Library) After students finish their research and complete their paper flip charts, they proceed to an area to measure the

height of their penguin and look at globes to find where their penguins live.

Remediation: Pair students up to research a penguin type together. Put students in small groups to record data into spreadsheet.

ESOL: Pair students up with a partner to assist each other.

Cross Curricular Extension:

Math: Students can compare the heights and weights of various penguins by using appropriate measuring devices

Assessments: (Library) Completion of flip charts; teacher observance of engagement

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