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Life Science Course – The Vertebrates (with interactive programs)

The materials on this disk allow you to construct a comprehensive life science curriculum that provides a variety of activities for students from kindergarten through high school biology.

The study units, diagram activities, and classification lines provide younger students with a basic understanding parts and functions of a variety of animals with backbones as well as the characteristics and classification of the five classes (reptiles, amphibians, fish, birds, and mammals).

The primary writing worksheets are an introduction to outlining and writing. Beginning readers can learn to observe characteristics, organize their ideas and write simple sentences telling about specific animals.

The writing activities for older students provide a template for writing a clear, concise, and accurate descriptive paragraph. A four-part Windows Media tutorial will help you use these activities effectively.

Templates on the CD enable teachers and/or older students to make their own study units, diagram activities and classification lines. These can be used to study advanced and/or difficult topics as well as for teaching younger students.

The contents of these folders on the CD are described below.

- Study Units Folder
- Diagram Activities Folder
- Classification Line Folder
- Writing Activities Folder
- Templates Folder
- Interactive Software
- Science Class program



CD-Rom Table of Contents

Study Units Folder:

- The PowerPoint presentation *Making Study Units*
- The Windows Media presentation *Using Study Units*.
- Contents of the sub-folders

Amphibians
Frog
Frog – Life Cycle

Birds
Birds – Level 1
Birds – Level 2
Penguin
Turkey

Mammals
Baleen Whale
Bat
Mole
Horse
Rabbit

Fish
Fish – Level 1
Fish – Level 2

Reptiles
Tortoise

Writing Activities Folder:

- All of the Description Activities for older students are available in both Word and PDF format.
- If you want to make changes in the questions or the order of presentation use the Word format.
- A series of 4 Windows Media Presentations to help the student with the writing exercises are located in the Descriptive Paragraph Tutorials Folder.

Primary Fish Description (outline)
Primary Bird Description (outline)
Primary Mammal Description (outline)
Primary Reptile Description (outline)
Primary Animal Description (outline)

Fish Description
Bird Description
Mammal Description
Reptile Description
Amphibian Description

Descriptive Paragraph Tutorials Folder:

- Reptiles1.wmv
- Reptiles2.wmv
- Reptiles3.wmv
- Reptiles4.wmv

Diagram Activities Folder:

- Contents of the sub-folders

Amphibians
Frog

Fish
Fish – Level 1
Fish – Level 2

Birds
Birds – Level 1
Birds – Level 2
Bird Egg
Penguin
Turkey

Reptiles
Tortoise

Mammals
Baleen Whale
Bat
Mole
Horse
Rabbit

Classification Line Folder:

Amphibians
Mammals
Vertebrates

Birds – Section 1
Birds – Section 2
Birds – Section 3

Fish
Reptiles

Templates Folder:

cb_answer	Answer Key for the diagram activity
cb_diagram	Diagram for the diagram activity
cb_instructions	Instructions for the diagram activity
cb_parts	Manipulatives for the diagram activity
su_picture	File for the labeled and unlabeled pictures in the study unit.
su_book	File for the booklet – writing for primary students
su_info	File for making Info1 and Info2 cards
su_name	Labels for the study unit.
su_chart	File for making a chart of all the feature
su_title	File for making a title for the booklet; includes the name, a picture and a border.
su_lp	Lesson Plan for the Study Unit
classification_line	template for the classification line.
lp_classification	template for the classification line lesson plan



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Interactive programs:

- **Vertebrate Diagrams Program** includes:

The Bird – Level 1	The Fish – Level 1
The Frog	The Mole
The Tortoise	The Baleen Whale
The Bat	

- **Flash Card Programs Folder** includes individual programs for:

The Bird – Level 1	The Fish – Level 1
The Bird – Level 2	The Fish – Level 2
The Frog	The Mole
The Tortoise	The Baleen Whale
The Bat	

- The **Science Class** is on the root folder of the CD-ROM.



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Suggested Sequence – Grades K - 3:

- Science Class – Interactive software
- All classification lines
- Use primary writing activities with the classification lines and picture cards.
- All diagram activities except Bird – Level 2 and Fish – Level 2
- Study Units – except Bird – Level 2 and Fish – Level 2

Suggested Sequence – Older Students:

- All study units and diagram activities
- Watch the PowerPoint Presentation – Making a Study Unit.
- Make a study unit using the templates in the Template Folder and information from EnchantedLearning.com
- Present the Study Unit to a younger child.
- Make a diagram activity using a study unit and the templates in the Template Folder
- Present the Diagram Activity to a younger child.
- Make a classification line and set of pictures to go with it.
- Present the classification line to a younger child.