

Floyd Christian Home Educators

Science: Exploring Vertebrates (4th-6th Grades)

2021-2022

Instructor: Renee Metcalf

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Dates: Sept. 16, 2021 – May 12, 2022

Time: Thursdays 9:00 a.m.- 10:00 a.m.

Course Description:

In this hands-on class kids learn about the animal kingdom, vertebrates, in particular, through 24 weekly lessons that focus on one particular animal such as: fish, frogs, salamanders, reptiles, birds, and mammals. As they learn new vocabulary and information, they construct 3-D graphic organizers that they cut out, color, and glue into a book. Additionally, they learn the scientific method through experiments, observation, making applications, drawing conclusions and learn to write lab cards. Students will also enjoy a variety of related literature both in and outside of class. At home students do some research to share at the next class. Opportunities abound to read, examine, question, and discuss the marvels of the animal world. Isn't that what learning is all about!

Tuition: \$45/month/per student due the first Thursday of each month

Texts:

Great Science Adventures: The World of Vertebrates by Susan Simpson

Can be ordered through www.christianbook.com

The Wind in the Willows by Kenneth Grahame

Mr. Popper's Penguins by Richard and Florence Atwater

Materials:

A zippered pouch to contain: glue stick, pencils, pencil sharpener with "shavings catcher," erasers, and scissors.

Book list to complement the lessons. We will read a book at each lesson. Others can be read at home.

- 1 – Carl Linnaeus: Father of Classification by Margaret Jean Anderson
- 2 – Swimmy by Leo Lionni
- 2 – Nessa’s Fish by Nancy Luenn
- 2 – The Major, the Poacher, and the Wonderful One-Trout River
- 4 – The Carp in the Bathtub by Barbara Cohen
- 4 – A Fish Out of Water by Helen Palmer
- 6 – Frog and Toad are Friends by Arnold Lobel
- 7 – Frog and Toad Together by Arnold Lobel
- 7 – Frog and Toad All Year by Arnold Lobel
- 7 – The Mysterious Tadpole by Steven Kellogg
- 7 – One Frog Too Many by Mercer Mayer
- 7 – Frog, Where are You? By Mercer Mayer
- 7 – A Boy, a Dog, a Frog, and a Friend by Mercer Mayer
- 7 – Frog Goes to Dinner by Mercer Mayer
- 7 – Frog on His Own by Mercer Mayer
- 8 – **The Wind in the Willows** by Kenneth Grahame
- 8 – Days with Frog and Toad by Arnold Lobel
- 11 – The Mixed-Up Chameleon by Eric Carle
- 11 – Gila Monsters Meet You at the Airport by Marjorie Weinman Sharmat
- 12 – The Smallest Turtle by Lynley Dodd
- 12 – The Turtle and the Monkey by Joanna C. Galdone
- 13 – Lyle, Lyle, Crocodile by Bernard Waber
- 13 – The Monkey and the Crocodile by Paul Galdone
- 15 – Who Took the Farmer’s Hat by Joan L. Nodset
- 15 – Wilbur and Orville Wright: Young Fliers by Augusta Stevenson (Childhood of Young Americans)
- 15 – Are You My Mother? by P.D. Eastman
- 15 – The Story About Ping by Marjorie Flack and Kurt Wiese
- 15 – The Summer of the Swans by Betsy Byars
- 16 – The Paper Crane by Molly Bang
- 16 – Owl Moon by Jane Yolen
- 16 – The Trumpet of the Swan by E.B. White
- 17 – The Little Red Hen by Paul Galdone
- 17- **Mr. Popper’s Penguins** by Richard and Florence Atwater
- 17- Penguin Pete by Marcus Pfister
- 17 – The Tale of the Mandarin Ducks by Katherine Patterson
- 17 – Make Way for Ducklings by Robert McCloskey
- 18 – Brother Sun, Sister Moon: The Life and Stories of St. Francis by Margaret Mayo
- 18 – Jonathan Livingston Seagull by Richard Bach
- 18 – Daniel’s Duck by Clyde Robert Bulla
- 19 – All Creatures Great and Small by James Herriot
- 19 – The Story of Ferdinand by Munro Leaf
- 20 – Horton Hatches the Egg by Dr. Seuss
- 20 – Babar series by Jean de Brunhoff
- 20 – Alaska’s Three Bears by Shelley Gill
- 20 – Along Came a Dog by Meindert DeJong
- 20 – Little Bear by Else Holmelund Minarik
- 20 – Born Free by Joy Adamson
- 20 – “The Elephant’s Child” by Rudyard Kipling

- 21 – The Secret of the Seal by Deborah Davis
- 21 – Humphrey, the Lost Whale by Wendy Tokuda and Richard Hall
- 21 – If You Ever Meet a Whale by Myra Cohn Livingston
- 21 – Whale’s Song by Dyan Sheldon
- 21 – Amos and Boris by William Steig
- 21 – Moby Dick by Herman Melville (read a portion)?