

ORDERLINESS

Week 3

Orderliness

Everything in its place

Objectives

Orderliness Week 3

General Objectives

- To study chordates
- To learn about fish, amphibians, and reptiles

Specific Objectives

- To learn the parts of the fish, their social structure and add them to the Tree of Life
- To learn about amphibians and add them to the Tree of Life
- To study about reptiles and add them to the Tree of Life
- To practice organizing

Weekly Supplies

Orderliness Week 3

Whole fish for dinner

Sardines, anchovies, herring, tuna

Frog or toad (live)

Tadpole (live)

Turtle (live)

Alligator or crocodile (live)

Masking tape for snake wrap

Materials for jelly-like frog eggs

Bible Verse

Orderliness Week 3

And God said, "Let the water teem with living creatures, and let birds fly above the earth across the expanse of the sky."

So God created the great creatures of the sea and every living and moving thing with which the water teems, according to their kinds, and every winged bird according to its kind. And God saw that it was good.

Genesis 1:20-21

Focus Books

Orderliness Week 3

- A** *The Voyages of Dr. Doolittle* by Hugh Lofting
Noah's Ark by Peter Spier
The Tortoise and the Hare
Peter Pan
- Y** *Frog and Toad are Friends* by Arnold Lobel
The Tale of Mr. Jeremey Fisher by Beatrix Potter

Focus Books (cont'd 2)

Orderliness Week 3

A Books on:

Fish:

tuna

salmon

anchovies

herring

perch

catfish

trout

Amphibians:

frog

toad

salamander

newts

Focus Books (cont'd 2)

Orderliness Week 3

Reptiles:

rattlesnakes

pythons

king snakes

copperhead snakes

cobra snakes

anacondas

coral snakes

water moccasin

box turtles

snapping turtles

loggerhead sea turtle

painted turtle

spotted turtle

crocodile

alligator

Writing Assignment

Orderliness Week 3

- **Y** Write or dictate 5 sentences describing each new creature added to the Tree of Life
- **M** Write 5 sentences about one of each phylum added to the Tree of Life
- **O** Write 8-10 sentences about each phylum added to the Tree of Life

Writing Tips

Orderliness Week 3

Speaking

Talking

Dialogue

is the basis for...

WRITING

Writing Tips (cont'd 1)

Orderliness Week 3

- Describe a snake in one stand alone sentence...
"Snakes are reptiles that have scales on their bodies, have no legs, are often poisonous, crawl on their bellies, and like all reptiles, do not have a constant body temperature like mammals. "
- Use series to add information
- Use vivid verbs, specific nouns along with descriptive adjectives to build each sentence
- Hammer out each sentence
- Put something in a category to identify
- Contrast one organism with another organism
- Use phrases to add information
- Pack each sentence with information

Timeline Characters

Orderliness Week 3

Noah

Steve Irwin

Vocabulary

Orderliness Week 3

Fish

Gills

Gill covers

scales

fins

swim bladder

lateral line

backbone

chordate

schools

Amphibians

*frog

*toad

*salamander

*newts

jellylike eggs

tadpoles

Reptiles

*alligator

*crocodile

Vocabulary (cont'd 2)

Orderliness Week 3

Reptiles cont'd

Turtles:

*loggerhead sea turtle

*snapping turtle

*box turtle

*alligator turtle

*spotted turtle

*painted turtle

*musk (stinkpot) turtle

Turtle Parts:

carapace

flippers or feet

plastron

scutes

neck

nostrils

beak

ears

Vocabulary (cont'd 3)

Orderliness Week 3

Reptiles cont'd

Snakes:

forked tongue

Jacobson's organ

scales

shed

hibernate

coil

venom

fangs

pit vipers

constrict

suffocate

*king snake

*rat or chicken snake

*rattlesnake

*copperhead

*cobra

*coral snake

*water moccasin

*python

*anaconda

*hognose snake

*alligator

*crocodile

Dialogue

Orderliness Week 3

DIALOGUE

DIALOGUE

DIALOGUE

DIALOGUE

3 W's + 1H + Tell

Orderliness Week 3

- **What** characteristics make this a reptile?
- **What** is a carpace?
- **Where** do snakes live?
- **Where** would you find a lizard at noon?
- **Why** is this an amphibian?
- **Why** are crocodile's legs attached to the side of their bodies?
- **How** is an fish different from a reptile?
- **How** do frogs breath?
- **Tell** me all you know about a python.

Permission Slip

Permission Coupon

Free pass to skip one activity
or other assignment
(Feel free to copy as often as needed)

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Free pass to skip one activity
or other assignment
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Eei NOT Eeyore

Orderliness Week 3

- Explore
- Examine
- Inspect
- I-den-ti-fy

Activities

Orderliness Week 3

Monday

Define chordate. (Now identifying orders)

Buy a whole fish to cook for dinner, but first examine scales, gills, lateral line, lack of eye-lids, gill covers, back bone. Save back bone to glue to Tree of Life.

Draw fish, label parts. Include swim bladder.

Read about sharks, what they sense, their skin, their teeth, what they eat, and their swimming habits.

x (p.169) Learn some of the -est animals.

Organize.

Activities (cont'd 2)

Orderliness Week 3

Tuesday

Research how fish swim in schools and do not run into each other.

Eat sardines, anchovies, herring, or tuna after you have read about each.

Visit the local aquarium OR go to the park to look for creatures to add to Tree of Life.

Read about Noah in Bible and Spier's *Noah* .

Discuss design of God's plan to save life of every kind from the flood, the necessity of a male and female of each kind.

Add the order fish to your Tree of Life.

Organize.

Design and Intelligence

Orderliness Week 3

- **Design** = a plan
- Only **intelligence** can make or have a plan
- **Time** cannot make a plan or replace intelligence

Activities (cont'd 3)

Orderliness Week 3

Wednesday

Amphibians are cold-blooded. Define amphibian and cold-blooded.

Catch a frog or toad and examine. Find ears, learn how they breath, find eye lids, determine how they croak, compare front legs to back legs, examine feet.

Do the frog kick on your stomach.

Compare frogs to toads.

Catch tadpoles and watch them change to frogs.

Create tadpole eggs.

Be a tadpole and wear a tail that gets shorter each day.

Add the order amphibian to Tree of Life.

Organize.

Activities (cont'd 4)

Orderliness Week 3

Thursday

Define reptiles and list classes of reptiles.

Study the parts of a turtle's body.

Research habitats and facts about turtles.

Name 4-8 different kinds of turtles.

Research crocodiles and alligators explaining the difference.

Draw alligators and crocodiles.

Recite Five Little Monkeys.

Read about the famous crocodile in *Peter Pan*.

Research life and work of Crocodile Hunter,

Steve Irwin, and talk like the Croc Hunter.

Tell difference in amphibian, bird, reptile eggs.

Organize.

Turtle Parts and Facts

Orderliness Week 3

- Carapace-top shell is an outgrowth of bone
- Flippers or feet-pond turtle has flat feet, webbed toes for digging in mud, tearing food, courtship, sea turtle has broad flippers for swimming.
- Plastron-bottom shell
- Scutes-scales over both shells, made of keratin like your fingernails
- Neck-pond turtle can fold neck into its shell in S-shape, sea turtle cannot
- Nostrils-near the top of head so turtle won't have to stick head far out of water to breathe
- Beak-no teeth, but jagged beak catches, holds, and slices food
- Ears-no outside parts to slow it down underwater

Activities (cont'd 5)

Orderliness Week 3

Friday

Contrast amphibians to reptiles.

Research different kinds of snakes, their habitats, hunting techniques, eating habits.

Dramatize snakes controlling body temperature, smelling the air, moving, eating, etc.

Discuss snake hibernation.

Sort snakes by characteristics such as poisonous vs constrictors.

Sort by habitat jungle, desert, water, forest.

Research longest, most poisonous, fastest, etc.

s (p.168) Complete and add to chart to review. Xerox chart, cut apart, match.

Organize.

Snake Facts

Orderliness Week 3

- Long, legless, flexible, scale-covered bodies sliding on belly.
- Eyes covered by clear scales, eyes always open.
- Flick out forked tongue to dissolve odors; smell the air.
- Order reptiles with crocodiles, lizards, turtles.
- Raise temp. sunning or lower by seeking shade.
- 2,400 species live in deserts, forests, oceans, streams, lakes.
- Not in polar regions or high mountain elevations.
- Ireland and New Zealand, do not have snakes.
- In US copperheads, coral snakes, rattlesnakes, water moccasins have poisonous bites.

D # 6...Discrimination

Orderliness Week 3

- **Telling** things apart
- **Recognizing** similarities/differences
- **Distinguishing** between
 - b, d, p, g
 - mom and dad
 - good and evil
 - healthy and unhealthy
 - right and wrong

Field Trips

Orderliness Week 3

Visit an aquarium or pet store

Grocery list:

Whole fish

Sardines, anchovies, herring, or tuna

Go on a nature hike to catch some amphibians and reptiles

Watch Steve Erwin, the croc hunter.

Talk about his work and his death.

Pond Collection Tools

Orderliness Week 3

Underwater Viewer

Use a coffee can with the bottom cut out and covered with plastic wrap held in place with a large rubber band.

Specimen Collection Net

Tape a kitchen strainer to a long broom handle with electrician or masking tape.

Suggestions for Dad

Orderliness Week 3

- Take the kids on a fishing trip.
- Clean the fish afterwards and show the kids parts of the fish. (Take along a fish diagram).
- Take the family to the aquarium or pet store.
- Teach and demonstrate wildlife safety as you help the kids look for amphibians and reptiles in the wild.
- Have to held your kids and told them that you loved them lately? Well?

Focus of the Week

Orderliness Week 3

- Studying phylum chordate
- Learning about fish, amphibians, and reptiles
- Learning the parts of the fish, their social structure and adding a fish to the Tree of Life
- Learning about amphibians and adding them to the Tree of Life
- Studying about reptiles and adding them to the Tree of Life
- Practice organizing

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Thanks,
Wade and Jessica Hulcy