

ORDERLINESS

Week 2

Orderliness

Doing things decently and in order...
because...

God gave us a decent and orderly universe

Objectives

Orderliness Week 2

General Objectives

- To be able to categorize and classify
- To learn to be orderly

Specific Objectives

- To learn about phylum arthropod
- To study insects, spiders, and spider webs
- To study crustaceans
- To acquire a taste for shrimp, or lobster, or clams
- To practice sorting animals by different habitat
- To learn about Charles Darwin and evolution

Alert!!!

Orderliness Week 1

Immediate Action!!!

- **Locate creek, woods, park to gather from.(Wk.1)**
- **Schedule aquarium visit.(Wk.3)**
- **Schedule fishing trip with Dad.(Wk.3)**
- **Schedule zoo trip. (Wk.4)**
- **Earthworms to examine.(Wk.1)**
- **Whole clams in shells to examine and eat.(Wk.1)**
- **Snails and slugs to examine. (Wk.1)**
- **Insects to collect and mount. (Wk.2)**
- **Lobster, crab, shrimp to eat.(Wk.2)**
- **Crayfish to dissect.(Wk.2)**
- **Whole fish to examine and eat.(Wk.3)**
- **Frog or toad to examine.(Wk.3)**

Alert!!!

Orderliness Week 1

Immediate Action!!!

**Tobin's Lab has specimens
you might need or want**

Weekly Supplies

Orderliness Week 2

Egg

Ziploc baggies (sm)

Drinking glass

Coat

Insect specimen

Small jar, cotton ball,
alcohol or nail polish
remover, foam
board, straight pins

Ants - weather permitting

Air freshener, blindfold

Grasshopper specimen

Spider specimen

Spider web, spray
paint, paper

Spider eggs, jar w/ lid

Crayfish specimen

Shrimp, crab, lobster -
your choice

Animals at home

Bible Verse

Orderliness Week 2

To every [thing there is] a season, and a time to every purpose under the heaven: A time to be born, and a time to die; a time to plant, and a time to pluck up [that which is] planted; A time to weep, and a time to laugh; a time to mourn, and a time to dance; A time to cast away stones, and a time to gather stones together; a time to embrace, and a time to refrain from embracing; A time to get, and a time to lose; a time to keep, and a time to cast away; A time to rend, and a time to sew; a time to keep silence, and a time to speak; A time to love, and a time to hate; a time of war, and a time of peace.

Eccl. 3:1-8

Focus Books

Orderliness Week 2

- A *The Voyages of Dr. Doolittle* by Hugh Lofting
- First Encyclopedia of Animals* by David Burnie and Linda Graham
- Peterson's First Guide to Insects* by Christopher Leaky
- Amazing Bugs* by Miranda Macquitty

- Y *The Beagle and Mr. Flycatcher* by Robert Quackenbush

- M *The Beagle and Mr. Flycatcher* by Robert Quackenbush

- O *Young Charles Darwin* by Fred Reinfeld

Songs and Videos

Orderliness Week 2

Videos:

Charlotte's Web

Dr. Doolittle (with Rex Harrison)

Songs:

Intsey Wentsey Spider

Whistle While You Work

Writing Assignment

Orderliness Week 1

- **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 1

Speaking

Talking

Dialogue

is the basis for...

WRITING

Writing Tips (cont'd 1)

Orderliness Week 1

- Describe a spider in one stand alone sentence...
"Spiders are arthropods and like all arthropods have an exoskeleton or hard shell replacing their bones, but unlike the rest of the arthropods, spiders have the unique ability to produce and spin webs of silk for the purpose of catching their prey."
- 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.

Timeline Characters

Orderliness Week 2

Charles Darwin

Vocabulary

Orderliness Week 2

Arthropod

insect

crustaceans

spiders

Insect

exoskeleton

head

thorax

abdomen

spiracles

appendages

antenna

pheromones

compound eye

metamorphosis

egg

larva

pupa

adult

molt

Vocabulary

Orderliness Week 2

Spiders

spinneret

egg sack

lifeline

*scorpions

*tick

*mite

Crustaceans

*crab

*lobster

*shrimp

*crayfish

*barnacle

claws

cephalothorax

abdomen

telson

swimmerets

Vocabulary

Orderliness Week 2

General

herbivore

carnivore

omnivore

wild

domestic

evolution

design

intelligence

entropy

theory

Permission Slip

Permission

Coupon

Free pass to skip one activity
or other assignment

(Feel free to copy as often as needed)

Permission

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Free pass to skip one activity
or other assignment

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Activities

Orderliness Week 2

Monday

Arthropods are insects and spiders with exoskeletons. Define exoskeleton.

Compare an egg to an insect with outer shell.

Fill a Ziploc baggie with water. Add a glass inside the bag. Take glass out and drop baggie in glass.

Demonstrate molting. Put a coat on backwards.

Draw picture of stages of metamorphosis of a butterfly.

Identify body parts of a specimen.

Organize.

Importance of Compartments

Orderliness Week 2

**Compartments are boxes
where related information
goes...**

**Without compartments, you
have no place to put
information to retrieve it**

Eei NOT Eeyore

Orderliness Week 2

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

Activities (cont'd 2)

Orderliness Week 2

Tuesday

Insects communicate with each other by using chemicals called pheromones. Interrupt scent on ant trail and observe.

Follow a pheromone path. Have one child go on a specific path through the house, spraying air freshener.

Other children follow scent blindfolded.

Find and catch insects today. Kill and mount.

Catch a grasshopper and find his spiracles.

Catch insects at night around porch light. Explain why they are attracted to light. Determine what insects are attracted to light.

Add insects to your Tree of Life.

Organize.

Snow White Whistle Song

Orderliness Week 2

JUST WHISTLE WHILE YOU WORK

[Whistling]

**AND CHEERFULLY TOGETHER WE CAN
TIDY UP THE PLACE**

SO HUM A MERRY TUNE

[Humming]

**IT WON'T TAKE LONG WHEN THERE'S
A SONG TO HELP YOU SET THE PACE**

Activities (cont'd 3)

Orderliness Week 2

Wednesday

Explain the difference in spiders and insects.

The spider's web is made of a protein substance from spinnerets. Go on a spider web hunt.

Spray a spider web and capture it on paper OR draw the web pattern.

Find spider egg sacks and place in jar to watch.

Name 5 different kinds of spiders.

Watch *Charlotte's Web* video. Explain how spiders eat.

Sing the Intsey Wentsey Spider.

Add spiders to your Tree of Life.

Organize.

KONOS 5 D's of Learning

Orderliness Week 2

- **DO-capture attention**
- **DISCOVER-foster thinking**
- **DRAMATIZE-visualize**
- **DIALOGUE-internalize**
- **DRILL-crystallize**

From KONOS Compass

D # 6...Discrimination

Orderliness Week 2

- **Telling things apart**
- **Recognizing similarities/differences**
- **Distinguishing**

Activities (cont'd 4)

Orderliness Week 2

Thursday

Review pictures of *Pagoo*.

Research lobster, crabs, shrimp, crayfish that are Arthropods in crustacean class.

Define crustacean.

Dissect a crayfish and find gills.

Eat shrimp, crab, or lobster for dinner.

De-vein the shrimp. Tell what are you removing.

Research barnacles, where they live, how they eat, and why they are a problem for ships.

Add crustaceans to your Tree of Life.

Organize.

Activities (cont'd 5)

Orderliness Week 2

Friday

i (p.166) Look around the house for "animals," duck potholder, cuckoo clock, dog wallpaper.

g (p.166) Sort animals by sea vs sky, wild vs domestic, herbivorous, carnivorous, omnivorous.

e (p.166) Sort by habitat. (swamp, Antarctic, forest, mountains, desert, prairie, jungle, savannah, tundra)

Discuss Darwin and main tenets of theory of evolution.

Define theory and discuss how Darwin's theory could be proved or disproved.

Define entropy.

Put Darwin on the timeline.

Organize.

Design and Intelligence

Orderliness Week 2

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

Field Trips

Orderliness Week 2

- **Visit the park, woods, creek to look for ants, spider webs, insects, butterflies, crayfish, tadpoles, minnows, etc.**

Suggestions for Dad

Orderliness Week 2

- Give out vocabulary words.
- Take kids fishing or to the creek to catch crayfish, frogs, toads, turtles, snakes, minnows or other "creek creatures" that are coming up in next week's study.
- Enlist the aid of your children to put something in order...the tool shed, the attic, the flower beds, the lawn, etc. Create a team attitude!

Focus of the Week

Orderliness Week 2

- **Learning to categorize, classify, and coordinate**
- **Practicing being orderly**
- **Learning about phylum arthropod**
- **Studying insects, spiders, and spider webs**
- **Studying crustaceans**
- **Acquiring a taste for shrimp, or lobster, or clams**
- **Learning about Darwin and evolution**
- **Practicing sorting animals by different habitat**

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Thanks,
Wade and Jessica Hulcy