CHESSIE SCIENCE SCHEDULE
GROUPS 2A, 2B, 3

Text used for this unit:
Abeka grade 4 science text,
Understanding God's World

4/23 Plants Unit begins today!

Designed to Produce; plants produce food, improve the air, and improve the soil, germination, seeds need water, seeds need oxygen, the growing seed.

AFTER CLASS TODAY:

Read: Understanding God's World (UGW) p46-47 & p63 (begin at 3.7 Germination) -65

Complete: Comprehension Check 3.1 & 3.7

Comprehension check WILL BE CHECKED AT OUR ZOOM SESSION NEXT WEEK

Zoom session topic: parts of a plant, what a plant needs to live

At home activity: .What do seeds need to germinate?

Materials needed: any type of seeds that your family has, paper towels, sandwich bags

Bag #1 (sandwich bag with 3 seeds folded inside and place in a drawer in the dark) **Bag #2** (sandwich bag with a **moist** folded paper towel with 3 seeds inside and place in a window in the sun) **Bag #3** (sandwich bag with a **moist** paper towel with 3 seeds inside and place in the freezer) **Bag #4** (sandwich bag with 3 seeds wrapped in a **moist** paper towel in a dark drawer). Check your seeds every few days to see which ones germinate. Write down your results. Did this experiment prove what you thought to be the things that a seed needs to germinate?

4/30 Observing Flowers,The Parts of a Flower, Pollinators, Weeds, Many flowers in one.

AFTER CLASS TODAY:

Read: UGW p52 (begin at observing flowers)—p54

Complete: Answer the following questions on a separate piece of paper: 1) What are the names of the parts of the flower beginning on the outside of the flower? S—p—s---p? 2) Explain what each of these 4 parts of a flower do. 3) What is a weed? 4) The white part of a daisy that we call a "flower" is actually made up of hundreds of tiny what?

Zoom Session Topic: Parts of a flower & we will go over the homework Listed from last week.

At home activity: Experiment 'Germinating Seeds'

Part A: Fill a clear, plastic cup with moist paper towels and 3 bean seeds. The seeds should be visible from the side of the cup. Be sure to keep the paper towels damp, but do not overwater. Wait several days until the seeds begin to germinate. Which direction are the roots growing? Next, turn the jar upside down so that the roots are heading upward. The paper

towels should hold the seeds against the side of the jar. Allow the roots to grow for several more days. What happens to the roots? Take notes on your results.

Part B: Clean out the jar (cup). Again fill it with damp paper towels and place 3 bean seeds inside. Keep the cup near a window. This time, wait until the seeds germinate to make stems that grow upward. Place the jar on its side. What direction does the stems grow? Take notes on your results.

5/7

Seed Design, parts of a seed, traveling seeds,airborne seeds, wind, water, animals and people, germination Poisonous Plants, edible plants with poisonous parts, leaves of three, Plants helpful and beautiful, George Washington Carver

AFTER CLASS TODAY:

Read: UGW p59-63

Optional: UGW reading: p66-72

Complete: Comprehension Check 3.5 & 3.6

Zoom session topic: parts of a seed, how seeds travel, go over the homework from last week

At home activity:

Choose an activity on plants to do. Try either #1 on root growth or #2 on plant growth.

Experiment #1: Taking Root: Observe & Measure Roots that grow from four different plant seeds. Begin by asking yourself the following questions: 1)What is the purpose of the roots? 2) Why are the lengths of the roots of different plants different? Place seeds from four different plants on a moistened paper towel. Observe your seeds every day for the next seven days. You may need to moisten the paper towel if it gets dry. Measure the length of each root in millimeters every day and record your data. At the end of 7 days, make a bar graph for each seed used using the measurements of root length. Take a picture of your graph and e-mail it to me so that I can share it with your classmates.

Experiment #2: Does your family plant a garden? Choose an area of The garden to plant some veggies that you will be responsible for. You will plant, weed, water and care for your plants until they finish growing and you pick the vegetables. Keep notes on when they germinate and the height of your plant for the next few weeks. Make a bar graph of your results and send me a picture to share with your classmates. This will be a fun project where you can taste the fruit of your labors later this summer

5/14

Stinky Plants & Review questions—LAST CLASS OF THE YEAR!

Zoom session topic: Students will learn about a variety of flowers that smell bad and how their smell attracts particular pollinators. We will go over the homework due today. Students will learn about corpse flower, skunk cabbage, Hydnora Africana (parasitic plant), Dead Horse Arum Lily, Puple passion flower, Starfish flower, Orchid, Bradford pear tree blossoms. We will incorporate some review games in our session today

Dear Parents,

Thank you so much for the privilege of helping you teach your child science this year! I have loved teaching and have enjoyed getting to know this year's students. I appreciate your help to prepare your child for class these many weeks. They have gained so much science knowledge and I am so proud of each of them. The year ended with the unexpected online zoom sessions that students adapted to and seemed to enjoy. I also appreciate the encouragement and support that each of you has given me throughout the year.

~~Kathy

The Lord Bless You and Keep You;
The Lord Make His Face Shine Upon You
And be Gracious To You
The Lord Turn His Face Toward You
And Give You Peace
Numbers 6:24-26