

Class Description and Vocabulary List*

* This is NOT a list of ALL classes or activities that will be offered. Vocabulary list is based on availability of Curriculum Outlines and adjusted based on the age-group. The final schedule will be determined by the final number of registered participants in each age group, weather and staff. Thank you for your support!

3 - 5 year-olds

(AR) Amazing Race

Our own amazing race – created especially for little ones - made up of series of games and activities and FUN –for children and spectators! Teams will compete against each other toward the goal of crossing the finish line first! Teamwork is essential to win this race. (Optional)

(BW) Bouldering Wall

Children will get an opportunity to experience our 16' x 8' horizontal wall.

(NH) Nature Hike

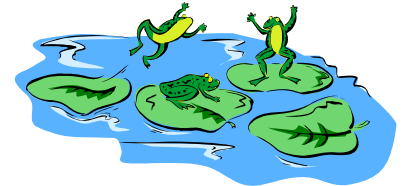
Children will make their own collection “books” in preparation to their exploration hike. What will they find?

(NC) Nature Center Exploration

Explore our Nature Center – there’s a lot to see and touch! It features many mounted animals, a bird-watching Lookout, and live animal tanks.

(PC) Pond Community

Students will try to collect a variety of pond organisms. Then, the organisms will be identified before being returned to the pond.



6-8 year-olds



(AR) Amazing Race

Our own amazing race – created especially for little ones - made up of series of games and activities and FUN –for children and spectators! Teams will compete against each other toward the goal of crossing the finish line first! Teamwork is essential to win this race.

(BW) Bouldering Wall

Students will learn climbing techniques as they climb on our 16' x 8' wall. They can choose from over 15 different routes and ratings.

VOCABULARY

1. holds
2. routes

(FFS) Forest Floor Search

There are many living and nonliving things in a forest. In this activity, students will search the forest floor for all they can find and categorize these items. This will include green and non-green plants, animals, dead plant materials, evidence of animals, nonliving materials, soil materials and other findings. Students will discover the importance of each of these categories and their inter-relatedness.

VOCABULARY

1. ecosystem
2. recycling
3. decomposition
4. biotic
5. abiotic
6. photosynthesis
7. habitat
8. evidence
9. vertebrates
10. invertebrates

(SKS) Skulls and Skins

Much can be learned about an animal’s life-style by observing their skull and skin characteristics. This activity involves hands-on learning of the features of animal skulls and skins. Students will identify common mammal skulls and will observe various pelts.

VOCABULARY

- | | |
|---------------|-----------------|
| 1. orbit | 7. molar |
| 2. canine | 8. under fur |
| 3. incisor | 9. omnivore |
| 4. guard hair | 10. herbivore |
| 5. carnivore | 11. insectivore |
| 6. mammal | |

9-11 year-olds

(BOP) Birds of Prey

Participants will enjoy being up close to a living raptor (owl or hawk), seeing a variety of raptor body parts and sharing in the exciting presentation about the diverse raptor life God has created.

VOCABULARY

- | | |
|------------|--------------|
| 1. raptor | 5. diurnal |
| 2. pellets | 6. nocturnal |
| 3. habitat | 7. jesses |
| 4. talons | |



(CI) Challenge Initiatives

Challenge Initiatives are activities that present groups with challenging problems they must overcome by working together using problem-solving, trust, creativity, leadership and following. Students apply what they learn to “real world” problem-solving, their attitudes toward one another, and biblical principles for life.

(WARS) Water, Air, Rock & Soil

This class introduces students to rocks and soil, and the role that water and air have in breaking down rocks to form soil. Students will examine soil, perform weathering and erosion experiments, and observe these processes occurring in nature.

VOCABULARY

- | | |
|--------------------------|---------------|
| 1. chemical weathering | 7. organic |
| 2. mechanical weathering | 8. inorganic |
| 3. decomposition | 9. mineral |
| 4. friction/abrasion | 10. acid rain |
| 5. erosion | 11. humus |
| 6. glacier | |

(oPS) Outdoor Power Swing

Each participant is harnessed and attached to a rope, then pulled by their teammates. When released, the rider swings in large arc downward, then up toward the heights again! Like a pendulum, the rider will eventually slow down, and then dismount.

12-18 year-olds

(CR) Cliff Rappel

Rappelling is a special challenge in which participants lower themselves down the face of a 50-foot cliff, using safe rappelling equipment. The greatest obstacle is the fear of the unknown and of heights, but the great reward is overcoming these fears and descending the cliff in individual achievement. ***Involves rigorous hiking**



(SWQ) Surface Water Quality

Students will conduct chemical tests and general observations at four distinct sites, including a wastewater treatment facility, within the same watershed. The students will then compare, contrast, and analyze their data to determine the water quality at each site and why the quality varied between sites.

VOCABULARY

- | | |
|------------------|-----------------------|
| 1. surface water | 7. hardness |
| 2. chlorine | 8. alkalinity |
| 3. pH | 9. phosphate |
| 4. ammonia | 10. dissolved oxygen |
| 5. nitrite | 11. parts per million |
| 6. nitrate | 12. clean water act |

Special Afternoon Recreational Options**Luau (Wednesday afternoon)**

Luau's are more fun in the sun! Join us poolside for a Limbo contest and games for all ages both in and out of the pool --- all while listening to some old-time beach and luau music. Top the afternoon off with a great theme-related dinner and you have yourself another great day! **Prize for the best 'theme-dressed' family!**

**Amazing Race (Thursday afternoon)**

Spruce Lake's version of an amazing race will have you on your toes running around the property performing various tasks that are either mental or physical in nature. Teams will compete against each other toward the goal of crossing the finish line first! Teamwork is essential to win this race.

Evening Activities/ Options**(PNR) Probing the Night Realm**

Students are led into the night forest through sensory experiences, group demonstrations and discussions on nocturnal conditions. By exploring the forest at night, students can develop an awareness of the nocturnal animal world and see the forest in a different way. * **Involves hiking in the dark**

(TD) Tie-Dyeing

Try your hand at the art of tie-dye. Create your own colorful t-shirts, other articles of clothing, pillowcases or bandanas. It's easy... Basically, you gather, fold, and tie your item with rubber bands and pour fabric dye onto it. Of course, there are a few more steps but we'll guide you every step of the way! Don't forget to bring your own item; 100% cotton is best. **Sign up at Registration when you arrive (check for your assigned day).**

Coffeehouse

Coffee houses offer time for adults to sit and relax, drink some coffee, enjoy time together and listen to some music. These events will feature coffee, snacks and live music for your enjoyment.