

EXPLORATORY EXPERIENCES

Juneberry Ridge Educational Foundation offers experiences for school groups, homeschool groups, & other educational institutions. Juneberry LLC is our living classroom to provide exploratory & immersive experiences.

Current Policies/Requirements:

- Can be tailored to any age as long as they are an educational organization.
 - Aquaponics Experience age restriction is 3rd grade (or 8 years old) and up, due to Food Safety Requirements in the Aquaponics system.
- Groups of 100 or less students at a time due to space constraints
 - We can accommodate more than 100 students, case-by-case.
- Exploratory Experiences are on Friday. Other dates can be scheduled case-by-case.
- All participants must wear closed-toed shoes.
- Each student will need a signed field trip form sent to the educator when confirming the date.
- Educators will be asked to complete an evaluation after the experience so that we can improve our processes.
- Price is \$5/person. Add-on options are in addition to the base \$5/person price.
- Logistics are based on group size. All groups receive an additional 30 minutes for a picnic lunch. Must bring your own lunch.
 - 1-25 people: Stay as 1 group for 2 hours covering up to 3 topics
 - 25-50 people: Divide into 2 groups for 2 hours covering up to 3 topics
 - 50-75 people: Divide into 3 groups for 3 hours covering 3 topics
 - 75-100 people: Divide into 3-4 groups for 3 hours covering up to 4 topics

Exploratory Experience Options

Each of these options can be combined with other experiences. Most experiences have a maximum size of 30 students. If your group is larger, you will need multiple experiences for station rotations. Our experiences work best in 1-hour rotations. To make the edible landscaping or wildlife options a full hour rotation, it works great to add a hike (applies concepts) or combine edible landscaping and wildlife into one full-hour rotation. ***Add-On Available in the add on section below

Experience Title	Topics	Learning Objectives	Duration/Additional Info
Aquaponic Greenhouse Experience	Aquaponic systems including raising fish, growing lettuce and herbs, and how these ecosystems work together	Students will be able to ◦ Compare different methods of growing plants and fish. ◦ Distinguish how ecosystems of plants and animals need each other. ◦ Identify how lettuce, herbs, and fish can be grown for culinary purposes.	Duration: 1 hour Maximum group size: 30 Restrictions: ◦ 3rd Grade and older ◦ Must wear closed-toe shoes and provided hair/beard guards ***Add-On Option

Regenerative Agriculture with Livestock	Regenerative agriculture including soil health, importance, and the animals we are raising to improve soil health at Juneberry	Students will be able to ○ Define regenerative agriculture and explain how it improves our land. ○ Identify different livestock animals and what impact they provide. ○ Explain the importance of soil health to agriculture and the future world.	Duration: 1 hour Maximum group size: 30 Restrictions: ○ Must wear closed-toe shoes ***Add-On Option
Plant Production	Basic plant needs, native VS nonnative, plant identification and uses, seeding process, growing in a traditional garden plus other plant growing methods, & how plants benefit ecosystems	Students will be able to ○ Compare different methods of growing plants including traditional gardening, in-soil greenhouse, & container growing. ○ Determine why plants are needed and how we can take care of them to benefit our ecosystem. ○ Identify different plants and their uses. ○ Perform plant reproduction.	Duration: 1 hour Maximum group size: 30 Restrictions: ○ Must wear closed-toe shoes ***Add-On Option
Edible Landscape	Edible, Herbal, Medicinal, and other beneficial plants and their uses, native VS nonnative, plant identification using their senses.	Students will be able to ○ Compare different uses for plants that can be grown in the landscape. ○ Determine why plants are needed and how we can take care of them to benefit the ecosystem. ○ Identify different plants and their uses.	Duration: 30 minutes – 1 hour Maximum group size: 30 Restrictions: ○ Must wear closed-toe shoes ○ Students may touch, see & smell plants. Please check allergies. ***Add-On Option
Wildlife	Wildlife VS Livestock basics, North Carolina wildlife, comparing pelts & skulls of wildlife, pros and cons of different wildlife, and wildlife interactions in their ecosystems.	Students will be able to ○ Compare different families, eating categories and species of wildlife from weasels to wild dogs to deer to turtles. ○ Determine why wildlife are beneficial and how we can take care of them to benefit our ecosystem. ○ Identify different wildlife animals and signs of their presence.	Duration: 30 minutes – 1 hour Maximum group size: 30 Other Benefits: Students may touch some pelts. Easily combine with a hike for wildlife tracking experience.
Customizable Options	Hiking/Trail Building, Careers, Soil & Water Management, Farm to Fork, & more!	Feel free to share any of the objectives related to the group and we can make a custom experience program to meet objectives that match the course.	Duration: Customizable Restrictions: ○ Must wear closed-toe shoes ○ Depends on options selected

***Add-On Options You may add any of these options to an experience. Some add-ons must go with a specific basic experience (<i>*noted in the title block</i>) but others can be added to any experience. Location for picnic lunch can be added for any exploratory experience.		
Title	Additional Information	Price
Aquaponic Harvesting Experience <i>*must have the Aquaponics Experience</i>	Students will leave with a head of lettuce, package of herbs, or package of edible flowers. Learning Objective: Students will be able to explain correct harvesting procedures to protect food safety and how they should maintain their own harvested crop.	\$5/person Restrictions: - Groups of 30 or less 3rd Grade and older - Must wear closed-toe shoes and provided hair/beard guards
Harvesting Experience <i>*must have the Plant Production Experience</i>	Students will leave with produce from our garden or greenhouse which varies based on season. Great alternative for younger students. Learning Objective: Students will be able to explain correct harvesting procedures to protect food safety and how they should maintain their own harvested crop.	\$5/person Restrictions: - Groups of 30 or less - Must wear closed-toe shoes
Livestock Chores <i>*must have the Regenerative Ag Experience</i>	Get hands-on experience working with animals such as washing eggs, moving animals, feeding/watering animals, etc. Learning Objective: Students will be able to implement methods of caring for animals and producing animal products.	\$5/person Restrictions: - Groups of 30 or less - Must wear closed-toe shoes
Take Home Plant/Seed <i>*must have the Plant Production, Edible Landscape, or Aquaponics Experiences.</i>	Students will plant a seed or transplant a plant to take home and grow. Learning Objective: Students will be able to perform plant reproduction & management.	\$3/person Restrictions: - Groups of 30 or less - Must wear closed-toe shoes
Making a Tea Bag <i>*must have the Edible Landscape Experience</i>	Students will learn how herbal teas are made including the processes of harvesting, drying, and creating a tea bag to take home. Learning Objective: Students will be able to explain processes of harvesting, drying, and preparing herbs for herbal teas AND will be able to build their own tea bag to take home.	\$5/person Restrictions: - Groups of 30 or less - Must wear closed-toe shoes
Culinary Skills	Students learn culinary skills and then use that skill to make a snack. For example, practice knife skills and then cut produce for a salad Learning Objective: Students will be able to perform culinary skills & create a healthy snack.	\$10/person Restrictions: - Groups of 20 or less - Must wear closed-toe shoes
Nature or Farm Craft	Students can create a craft related to whatever experience they participate in. For example, if doing regenerative agriculture, they may paint a canvas with a scenic picture of the livestock but with the edible landscape, they may collect nature items to make a bookmark.	\$3-\$8/person depending on craft requested. i.e. nature bookmark is \$3 but painting a canvas with an instructor is \$8.

***Add-On Options for Dining (Continued)

You may add any of these options to your Exploratory Experience. The following are the different dining options that can be added.

Dining Options	Additional Information	Price
Picnic Shelter for bringing your own lunch	Covered picnic shelter area with 6 picnic tables and sits 30-40 people. Also includes other outdoor spaces that can hold up to 100 people but do not have cover or tables (sitting on the grass or sidewalk). DOES NOT INCLUDE FOOD, JUST SEATING AREA.	Free with Exploratory Experience. Restrictions: - Seating for 30 – 40 6 picnic tables
Indoor meeting space for bringing your own lunch	Indoor loft with fold out tables and chairs that can accommodate up to 100 people. DOES NOT INCLUDE FOOD, JUST SEATING AREA.	Free with Exploratory Experience. Restrictions: - Seating for up to 100 - Fold out tables and chairs
Covered Area for bringing your own lunch	5-Stand Venue is covered and can be enclosed upon request. Indoor area comfortably seats 50 people. Indoor and outdoor areas can seat 60-75 people. DOES NOT INCLUDE FOOD.	\$85/hour Restrictions: 50 inside seats (more outside) - Max size of 75 people - Must drive to venue
Indoor Dining for bringing your own lunch	The Conference Center is our fine dining area. Round tables with linens provided in climate-controlled venue. Also has a screen and canopy board that can be added upon request. Maximum capacity of 75 people. DOES NOT INCLUDE FOOD.	\$380/hour Restrictions: 75 seats - Max size of 75 people - Must drive to venue
Farm Fresh Meals	Our kitchen can prepare meals for groups with enough of a heads up. The team MUST KNOW 1 month in advance and have final headcounts & restrictions 10 days before the event. The prices range depending on style of meal preferred. Most common is a boxed lunch that includes a sandwich/wrap, side, & drink.	\$10-\$100 depending on food \$10 – breakfast sandwich \$18 – boxed lunch \$42 – Lunch Buffet

Living Lab Intensives: Immersive experiences for High School AP, College, or Adult Learners

Each of these immersive experiences goes over the basic concepts but adds hands-on activities, experiences, and learning opportunities about the living labs.

Living Lab Type	Topics	Learning Objectives	Duration/Additional Info
Aquaponic Living Lab Intensive	Aquaponic system basics including raising fish, growing lettuce and herbs, and how these ecosystems work together. Additional troubleshooting of real problems including calculating the volume of fish tanks and how many fish can be in the system, measuring and correcting pH, and comparing different methods of fish production.	Students will be able to ○ Compare different methods of growing plants and fish (aquaponics, hydroponics, & aquaculture). ○ Distinguish how ecosystems of plants and animals need each other. ○ Identify how lettuce, herbs, and fish can be grown for culinary purposes. ○ Solve real-life problems in aquaponics systems with critical thinking skills. ○ Explain measuring, volume, pH, and other core topics and how they can be applied in aquaponic careers.	Cost: \$100/group Duration: 2 hours Maximum group size: 30 Restrictions: ○ More suitable for High School students or older ○ Must wear closed-toe shoes and provided hair/beard guards
Soil Living Lab Intensive	This on-farm workshop offers an intensive look at the characteristics and maintenance of soil, including soil health and regenerative soil management. You will see heavy equipment operation, discover soil profiles and texture, and learn how livestock and poultry help improve the quality of soil.	Students will be able to ○ Compare different soil profiles, textures, and characteristics that determine health of the soil. ○ Identify heavy equipment and what it is used for in soil regeneration. ○ Explain how animals can improve the quality of the soil through regenerative agriculture practices. ○ Apply core topics of math and science to solve problems and real-world applications.	Cost: \$100/group Duration: 2 hours Maximum group size: 30 Restrictions: ○ More suitable for High School students or older ○ Must wear closed-toe shoes