



Flinchbaugh's Orchard & Farm Market

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Spring, Summer and Fall Educational Farm Tours - 2014

To assist you in connecting our curriculum to any lesson plans you may complete in the classroom prior or post the tour, we have created a lesson key that provides you with the science standard each educational station corresponds to.

E - Environment/resource/conservation and care

FS - Food safety

G - Renewable/nonrenewable "green"

N - Nutrition

NR - Natural resources

P - Process and production

Tour is set as a guided hike around the farm, with unique hands-on opportunities for students. Depending on age bracket, class size and time, each hike will not necessarily include all of the different stations listed below.

Station 1: (FS, N, P) Intro to the Orchard and Farm. Compare different fruits and vegetables, by color, shape, size and taste. Brainstorm as group about the nutrition of fresh fruits and vegetables. Discuss term: Vitamins, varieties.

Station 2: (G, NR, N) Honeybee hives. Observe active honeybees at their hives. Discuss terms: flowers, blossoms, pollen, nectar, honeybees, hives and honey. Demonstrate pollination, measure honey production and review nutrition.

Station 3: (E, P) In the orchard. Observe apple and peach trees for different growing techniques, size and shape. Count number of fruit on branches, measure size and describe feel of fruit. Scavenger hunt for beneficial and non-beneficial insects, such as honeybees, lady bugs, mites, etc in the orchard and on trees. Use of magnifying glass. Find black hose along tree row, use as drip irrigation for water conservation. Pick fruit (seasonal).

Station 4: (P) Grain bins. Review different types of corn – Indian, Pop, Field and Sweet Corn (seasonal). Touch and feel each type and observe uses of the different varieties.

Station 5: (E, NR, P) Pig barn. "Grind" shell corn with students to make-their-own pig feed. Visit the pigs and discuss terms such as snout, hooves, feeders, water-ers, and fertilizer. We do not enter the barn, but students are able to throw their handful of pig feed into the pen.

Station 6 (E, NR) Make Your Own Soil activity. Review the 3 important needs of a plant for growth. Focus on soil - and the different components that make up a healthy soil. After review, class works as group to make-their-own soil. Students will sort different seeds by size and color, and choose 2 to plant in their own cup of soil to take home with them.

Station 7 (E, G, NR, P) Corny Plastic. Experiment designed for students to make plastic from corn and compare it to plastic made from petroleum.

Station 8 (FS, N, P) High Tunnel. Observe growing technique for tomatoes in our high tunnel tomato planting. Count blossoms or fruit, recognize difference in color and size.

Station 9 (FS, N, P) Pumpkin Patch. Observe growing technique of pumpkins, including no-tillage planting, drip irrigation and the various types, shapes and sizes of pumpkins. Pick your own pumpkin (seasonal, extra charge).

Station 10 (N) Snack. Apple slices, pretzels, and water for each student.

Station 11 Wagon Ride. 10 minute ride around the farm and orchard (extra charge).