



Reverse Field Trip Activity Menu

A reverse field trip is an event during which The STEM Connection will come to your location to facilitate three STEM activities for participants connected to your selected theme or standards. Please choose one of the following themes for your reverse field trip.

Preschool-2nd Grade Reverse Field Trips

- **Scientists Use Their Senses** - Find out about all the different ways scientists use their different senses to learn about the world and then use your senses to learn more about Moore Road Farm. (K.PS.1, K.LS.2, 1.LS.3, 2.PS.1, 3.PS.3)
- **Time to Fly** - Investigate forces as you observe things that fly and use the engineering design process to create something of your own that flies through the air. (K.PS.1 K.PS.2, K.PS.3, K.PS.4, K.LS.2, 1.LS.2, 2.PS.4, 2.LS.2, 2.LS.3, K-2.E.2, K-2.E.3)
- **Working with Weather** - Investigate different types of weather events and why and how they happen. Learn about the water cycle through a science experiment. (K.ESS.1, K.ESS.2, K.ESS.3, 1.ESS.1, 1.ESS.4, 2.ESS.3, 2.ESS.4)

3rd-5th Grade Reverse Field Trips

- **Exploring Earth Processes** - Identify, model, and investigate how geological processes make changes to the Earth quickly and over time. (4.ESS.3, 4.ESS.4, 5.ESS.3, 5.ESS.4)
- **Investigating Adaptations** - Model and investigate the features that organisms have that help them survive. (3.ESS.1, 3.LS.1, 3.LS.3, 4.LS.1, 4.LS.2, 4.LS.3, 5.ESS.4, 5.LS.3)
- **Time to Fly** - Investigate forces as you observe things that fly and use the engineering design process to create something of your own that flies through the air. (3.PS.1, 3.LS.3, 4.PS.1, 4.PS.4, 4.LS.3, 3-5.E.1, 3-5.E.2, 3-5.E.3)

6th-8th Grade Reverse Field Trips

- **Energy Flow in Ecosystems** - Explore how energy in all ecosystems starts with the sun and moves through different organisms. (5.LS.1, 6.LS.2, 6.LS.3, 6.LS.4, 7.PS.8, 7.PS.9)
- **Healthy Soil and Water** - Clean and healthy soil and water are essential for healthy organisms and ecosystems. Observe and test soil and water samples to determine how healthy they are. (6.ESS.3, 6.LS.4, 7.ESS.3, 8.PS.6, 8.ESS.2, 8.ESS.3)
- **Time to Fly** - Investigate how forces affect the movement of objects and how humans take inspiration from nature to design useful machines. (6.PS.3, 7.PS.4, 7.PS.5, 7.PS.6, 7.PS.7, 6-8.E.1)

Additional information about reverse field trips can be found at

<https://thestemconnection.org/stem-field-trips/>.

Please contact Andrea Elstro - aelstro@thestemconnection.org - with any questions.