

# Introduction to Forestry-8<sup>th</sup> Grade

## Student Outcomes

### Course Objectives

- \*Students will gain appreciation for the economic role that forest products industries play in our local, regional and statewide areas.
- \*Students will become knowledgeable about the history of forestry and forest management.
- \* Students will be able to identify tree and understory species found on the Middle School property.
- \* Students will conduct forest stand inventories and calculate stand volumes.
- \*Students will be introduced to various silvicultural management techniques.
- \*Students will gain practical experience with various forest management tools, including: compass, GPS, diameter tape, clinometer, increment borer and basal area prism.
- \*Students will learn about various career opportunities in forestry by visiting with guest speakers.
- \* Students will see the forest product industry and/or forest management in action by visiting a local forest product industry and/or managed area.

### Topics

- \*Forest management history
- \*Forestry economics
- \*Tree/understory identification
- \*Forest mensuration
- \*Forest stand inventory
- \*Forest ecosystems
- \*Forest management
- \*Wood identification/characteristics
- \*Forestry careers
- \*Forest fires