

# Forestry & Heavy Equipment

This popular two-year program introduces students to forest science & safe operation of chainsaws & heavy equipment. First year students learn safe operation & maintenance of the program's chainsaws, backhoe/loader, bulldozer, sawmill, trailers & dump trucks. Some of the forestry skills students acquire include; identification of trees & forest pests, wood volumes, surveying, forest management, soil, water & wildlife conservation. Second year students build on their skills & knowledge & apply them in community & class projects. These focus on the development of students' planning, supervision & teamwork skills. Second year students will also be introduced to forest management & planning, arboriculture, basic welding, & timber harvesting. They may also obtain their Commercial Driver's License (CDL).

**High School Credit (s):** 3 credits earned in Forestry & Heavy Equipment 1 (*Elective*)

4 credits earned in Forestry & Heavy Equipment 2 (**1.0 Science, 3.0 Elective**)

**College Credit(s):** Articulation agreements with **Paul Smith's College & University of New Hampshire.**

**Certification(s):** Game of Logging Chainsaw Safety Training Levels 1, 2, 3, & 4; OSHA (10 hrs.); CPR; First Aid; CDL (when appropriate).

**Grades:** 10<sup>th</sup> – 12<sup>th</sup>

**Numerically Graded**

**Year Long** (each program)

*Students should have at least a 70% in 10<sup>th</sup> grade Math & Science & instructor approval.*

## Introductory Class to the Forestry Program

**Introduction to Forestry:** This introductory course will explore the many natural resources found in Bennington County. This will include the various local regional food products and wild edibles. Students will also be introduced to the use and maintenance of heavy equipment.

**High School Credit(s):** 0.5 credits earned towards elective credit for one semester.

**Grades:** 9<sup>th</sup> – 11<sup>th</sup>

**Numerically Graded**

**One Semester**