



## Summary of Project

The goal of this Project was to create environmentally focused activities and practical applications that can be taught in the classroom and in the field. Professionals were invited to the Central Algoma Secondary School (CASS) site on three occasions to share their knowledge of the importance of the environmental system in the area.

The environmental information that the professions shared and demonstrated was used to create the resource package for teachers. The three areas of ecology that are included in the teacher package are forestry, soil ecology, and invasive species.

### Forestry Section

A walk through guide was prepared for the science teachers. The following resources are included:

1. CASS Woodlot – Big loop Walk Through (teacher resource)
2. A Walk Through the Forest – student worksheet
3. Field Trip to a Forest – student activity
4. Forest Observation Sheet – student worksheet
5. Measuring Tree Height Using A Ratio – student activity
6. Different Ways to Measure Tree Trunk Diameter at Breast Height – student instructions
7. Aging a Conifer Using Whorls – teacher resource

### Soil Section

The soils professional focused on both aquatic and woodlot soil study. Several activities were developed to assist teaching the soil component of the curriculum. The product included:

8. Soils Lesson – Board note in SNC 1D version and SNC 1P version
9. Activity: Soil Texture – student worksheet
10. Activity: Berlese Funnel for Collecting Soil Invertebrates – student worksheet
11. Activity: Litter Bag – student worksheet
12. Activity: Particle Size Analysis – student worksheet

### Invasive Species

The invasive specialist, the Invasive Species Awareness Coordinator from Algoma University outlined various resources and lesson plans from which a comprehensive PowerPoint presentation was created.

13. Invasive Species PowerPoint

Thank you for the opportunity to create and develop resources that can be used by the science teachers at Central Algoma Secondary School and other high school teachers.