

## Au Sable REYS Program General Timeline

<b>Month(s)</b>	<b>Lesson</b>	<b>Duration</b>	<b>Objective</b>
September	Introduction to Ecology	Full/Part Day	Students learn about ecosystems, energy relationships, and habitats
October	Watersheds	Full/Part Day	Students learn how the water cycle, groundwater, and watersheds are all connected and how activities on the land impact the water. Students compare healthy and unhealthy habitats.
November	Plants as Systems	1 hour	Students learn that plants are systems that require specific inputs and outputs to survive.
November	Invasive Species	1 hour	Students will learn about invasive species and their impact of biodiversity and ecosystem health.
December-January	Native Plants Presentations	1 hour	Students will research native plants and their role influencing natural processes.
January	Project Design and Plant Order	1 hour	Students will create planting designs for their project site or create native plant garden designs for their own personal native plant gardens.
February	How do Plants Affect Erosion	1 hour	Students use the scientific method to perform a controlled investigation
March	Creating Controlled Investigations	1 hour	Students will conduct a controlled investigation to answer aspects of their restoration challenge.
March-April	Reporting Controlled Ecological Investigations	1 hour	Students will analyze their investigations and make planting recommendations based on results.
May	Restoration Project Day	Full Day	Students implement a project to address their restoration challenge