



**2019 Spring Field Days at Woodlawn in collaboration with the Seal Cove Auto Museum, The Jackson Laboratory, Maine Center for Coastal Fisheries, Maine Forest & Logging Museum
June 4 & 5 (rain date June 6), 8:45 am – 1:50 pm**

INNOVATION IN SCIENCE – The Jackson Laboratory

Frontiers of Cancer Research – Dr. Muneer Hasham, Ph.D., Research Scientist

Dr. Hasham will give a powerpoint presentation discussing the latest development in cancer research.

INNOVATIONS IN THE FISHING INDUSTRY- Maine Center for Coastal Fisheries

Commercial Fishing in 2030: Surviving change

Students will be exposed to scenarios of decision making around investment, scarcity, skills needed and political acumen relating to the fishing industry.

INNOVATION IN TRANSPORTATION – Seal Cove Auto Museum

Innovation and the Process of Invention

The Seal Cove Auto Museum will provide rides in an antique vehicle (1921 Mercer) and will include a program about the process of inventing and refining the mechanics of the earliest autos. A look at alternative energy use in early cars including steam and electric will inform students about the use of alternative energy in cars today. (Permission for Rides form **must** be signed by parents)

Auto Wars on MDI

Over one hundred years ago, two historic decisions were made that forever changed the nature of Mount Desert Island- the formation of Acadia National Park, and allowing cars on the Island. For 15 years a debate raged about whether to allow cars on MDI, pitting wealthy summer residents against locals. Summer residents wanted to preserve the rustic and quiet nature of the Island as their retreat from crowded cities. Locals wanted the adventure and convenience of automobiles. Through first person voices, learn more about the stunts, back-room lobbying, and court cases that shaped this debate, and how this decision impacts our lives today.

INNOVATION IN THE LOGGING INDUSTRY: THE LOMBARD LOG HAULER – Maine Forest & Logging Museum

A request to save the lives of some horses working in the woods led Alvin Lombard to come up with a revolutionary machine: he took a steam train engine, put skis on front and the first continual lag treads on the back. A 20-ton snowmobile! Patented in 1900, the Waterville, Maine, machine changed the nature of work in the Maine woods. It could tow 300 tons of wood on iced roads and did the work of 50 horses. The lag treads led to new developments in farm, military, construction and recreational vehicles. The Maine Forest and Logging Museum has a fully restored steam Lombard that runs at events and two others on loan, including a gas-powered machine.

INNOVATION IN THE HOME: DESIGNING A 21ST CENTURY BLACK HOUSE - Woodlawn

Looking at some of the rooms, students will be asked to identify what are some of the elements that would have been innovative in the 1800s. Using a floor plan, they will pretend to be hired by a 21st century Mr. Black and illustrate changes they would make to the room to make it more energy efficient and better adapted to today's needs.