



**2018 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
May 29 & 30 (rain date May 31), 8:45 am – 1:50 pm**

INNOVATION IN SCIENCE – The Jackson Laboratory

Biological Innovation: Harnessing Nature's Worst for Cures – Dr. Muneer Hasham, Ph.D., Research Scientist

Dr. Hasham will give a powerpoint presentation discussing historical and present biological examples of how human beings have harnessed nature's worst and made them into cures for various diseases. Biological innovation is the new frontier in science and technology.

INNOVATIONS IN THE FISHING INDUSTRY- Maine Center for Coastal Fisheries

When was the last time you ate seafood? Where did you get it? Where was it landed? How was it caught? When was it caught? Who caught it? Was the fisherman paid a fair price? Students will have the opportunity to dive into these questions, explore the seafood supply chain and turn what you may think you know about your fish sandwich, up-side-down. Pat Shepard, a fisheries scientist at the Maine Center for Coastal Fisheries, manages a 33 member fishing cooperative called the Northeast Coastal Communities Sector, a group of fishermen in the northeast groundfish fishery. Fishermen in the sector catch their fish by rod and reel, land the same day, and market their product whole and directly to restaurants. You can't get any fresher than that, unless you catch it yourself! Let's investigate together why restaurants and seafood lovers are starting to pay a lot more attention to their local fishermen.

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.