



The Advanced Regenerative Manufacturing Institute (ARMI) offers a Professional Development Opportunity for training in BioTrek—a **FREE** project-based learning program



The Advanced Regenerative Manufacturing Institute (ARMI) is a member-based, nonprofit organization whose mission is to advance the bio-economy of the United States. The institute's work will positively impact not only manufacturing but also healthcare and education & workforce development for the nation.

BioTrek is a challenging, student-led, **project-based learning program** that introduces the science of **regenerative medicine** and related **advanced technologies of biomanufacturing** to inform students about **biofabrication** and **tissue engineering**.

Students work in teams to:

- *research* a medical problem plagued by limited treatments and poor outcomes;
- *discuss, debate and conceptualize* a better tissue-engineered medical product;
- *propose* a business model with financial and manufacturing accountability;
- *defend* their process, product, and business model to a panel of judges in a culminating presentation!

BioTrek is presented within your existing biology curriculum or as an Extended Learning Opportunity, during or after the school day. You and your students will use **BioFab Explorer** to learn about traditional college pathways toward a career in this growing industry, as well as the training and apprenticeship programs currently in development in Manchester, NH. The NGSS aligned curriculum includes:

- teacher guides,
- student workbooks,
- website access,
- ARMI instructional support.

BioTrek is **FREE** to schools with teachers who successfully complete the training session.

The Advanced Regenerative Manufacturing Institute (ARMI) is a member-based, nonprofit organization whose mission is to advance the bio-economy of the United States. The institute's work will positively impact not only manufacturing but also healthcare and education & workforce development for the nation

Teacher Benefits

- \$500.00 stipend and lunch will be included
- Collaboration with ARMI instructors
- Full curriculum and UDL-enhanced lessons
- Certificate for 20 CEUs

2023 Dates

July 10 - July 13

9:00 am-3:00 pm

ARMI

500 N. Commercial Street, Manchester, NH
03101 (2nd floor from back entrance)

August 7-10

9:00 am-3:00 pm

North Country Education Services (NCES)
300 Gorham Hill Road
Gorham, NH 03581

For registration information and questions, please email: khannabach@armiusa.org

To register: [BioTrek Professional Development application](#)

