



The Advanced Regenerative Manufacturing Institute (ARMI) offers a Professional Development Opportunity for training in BioTrek—a *FREE* project based learning program for teachers of high school students.



*BioTrek, our dynamic, project-based learning program for high school students, is a gateway to the captivating world of advanced biofabrication, career exploration, and entrepreneurship. We take immense pride in having touched the lives of over 1,000 students and counting, and our passion for shaping young minds continues to grow!*

**BioTrek** is a challenging, student-led, **project-based learning program** that introduces the science of **regenerative medicine** and related **advanced technologies** 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!

In this professional development training, you will learn how to present BioTrek within your existing science / tech ed. curriculum or as an Extended Learning Opportunity, during or after the school day. You will learn to use **BioFab Explorer** to teach your students about various pathways toward a career in this growing industry. The coordinating 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.

#### Teacher Benefits

- Stipend is included
- Collaboration with ARMI instructors
- Full curriculum and UDL enhanced lessons
- Certificate for 20 contact hours

**2024 Dates:** Monday, June 24 - Thursday, June 27

Monday, July 8 - Thursday, July 11; 9:00am- 3:00pm

**Location:** ARMI at 500 N. Commercial Street, Manchester, NH 03101 **OR on site for large school groups.**

To register:



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.