

**DHEDF Rural STEM Initiative – Overview of MIT Beaver Works**  
**DHEDF Rural STEM Initiative Collaborating Organization**  
**As of 27 Oct 2023**

**To: DHEDF National Rural STEM Initiative Participating Schools**

**From: Wayne I. Fagan, DHEDF Chair**

**Date: 27 Oct 2023**

**Subject: Summary of info received from MIT Beaver Works and posted to DHEDF Rural STEM Initiative Private Pages for Participating Schools**

**Resources designed for use in Grades: K-12**

**Team:**

**Introduction:**

The information contained in this memo was assembled from a review of the [MIT Beaver Works](#) website and information graciously provided to us by MIT Beaver Works team members:

The MIT Lincoln Laboratory Beaver Works Center (Lincoln Beaver Works) conducts research and educational programs that strengthen and expand collaborative efforts between Lincoln Laboratory and MIT campus. This collaboration

- Provides opportunities for both institutions to make an impact on pressing global problems through science, research, and education
- Leverages synergies between campus research and Lincoln Laboratory technology areas to generate innovative solutions
- Exposes a new generation of students to opportunities in engineering, research, and service to the nation and world

Beaver Works is a joint center chartered by the [MIT School of Engineering](#) and [MIT Lincoln Laboratory](#), operated by the Laboratory. Dr. Robert Shin, Principle Staff in Lincoln Laboratory's ISR and Tactical Systems Division, is the director of the center. Day-to-day operations are handled by the facility manager, [Joel Grimm](#). The facility is open to all MIT students, faculty, and collaborators, and provides a nexus for innovation, collaboration, and hands-on development.

The Beaver Works Center was initiated in 2010 through a series of Lincoln Laboratory-funded capstone research projects in the School of Engineering. In 2013, MIT and Lincoln Laboratory opened the new, dedicated center in NE45 designed to facilitate research, workshops, and class work through the creative fusion of collaborative spaces and prototyping facilities. In 2019, Beaver Works expanded and now has space in Bldg 31 in collaboration with the AeroAstro dept.

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**I. Overview of MIT Beaver Works Resources/Programing**

- 1) Annual CRE[AT]E Assistive Technology Challenge  
<https://www.beaver-works-assistive-tech.mit.edu/create-challenge/the-challenge>
- 2) Beaver Works Summer Institute  
<https://beaverworks.ll.mit.edu/CMS/bw/bwsiapply>
- 3) Beaver Works Saturday Programs  
<https://beaverworks.ll.mit.edu/CMS/bw/Saturdays>

**II. Additional sources of information about MIT Beaver Works**

- 1) Search for MIT Beaver Works in the DHEDF General Search engine at  
<https://dhedf.org/search-rural-stem?q=mit+beaver+works>
- 2) Search for MIT Beaver Works in the Private Pages of the DHEDF Rural STEM Initiative Discussion Group at <https://dhedf.org/forum/all/latest?category=23>
- 3) Visit MIT Lincoln Laboratory Facebook page at  
<https://www.facebook.com/search/top?q=mit%20beaver%20works>
- 4) Visit MIT Beaver Works Twitter page at  
[https://twitter.com/intent/user?screen\\_name=MITBWSI](https://twitter.com/intent/user?screen_name=MITBWSI)
- 5) Visit MIT Beaver Works Instagram page at <https://www.instagram.com/MITBWSI/>
- 6) Search videos posted to MIT Beaver Works You Tube Channel -  
<https://www.youtube.com/channel/UCZ6aVlpRXxU7uR4NBRAyvzQ>
- 7) **If you have any additional questions concerning MIT Beaver Works you may view their contact page at <https://beaverworks.ll.mit.edu/CMS/bw/contact> for details or contact me, my contact details are set out below.**

**We are grateful to the MIT Beaver Works team for their commitment to STEM Education in general, the great resources they make available to the public, and their collaboration with the DHEDF Rural**

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**STEM Initiative. As DHEDF becomes aware of additional resources from MIT Beaver Works this document will be supplemented from time to time.**

**Caveat:** From time to time, as in this case, DHEDF will share opportunities with you or make recommendations to you. It is totally up to you whether you wish to take advantage of those opportunities, DHEDF makes them in good faith, but they may not fit with your programing. DHEDF also wants to make it very clear that DHEDF has no financial interest in nor does it receive any financial benefit from any of the products or services we suggest to you for your evaluation.

If you have any questions concerning any of the foregoing or any other questions about DHEDF in general or the Rural STEM Initiative **please contact me, Wayne I. Fagan, at (210)570-7888 or [wifagan@wifagan.com](mailto:wifagan@wifagan.com)**

Thank you again for your participation in the DHEDF National Rural STEM Initiative, we are honored to have you, your schools, and your students as part of this Initiative.

Wayne I. Fagan | Chair  
**Dee Howard International Education Foundation**

