



Life Sciences/Biotech Career Awareness and Exploration Resources

Here are select resources to support your life sciences career awareness initiatives and to further explore life sciences careers with students/trainees. This is a growing list; please feel free to share any additional resources you have found to be engaging and informative.

Resource	Snapshot	Website
MassBioEd's Life Sciences Career Hub	Provides information about careers in life sciences with exploration pathways tailored to students, career counselors, careers starters, or career changers. Highlights: • Life science careers are searchable by area of interest, from lab research to business support. • Career spotlights feature common tasks, education required, and annual wages. • Includes database of life sciences education programs (degree and certificate). • Includes database of workforce training programs for careers in life sciences. • Features virtual and in-person upcoming events related to career exploration (i.e. career fairs, workshops).	https://careerhub.massbioed.org/
Biotech Careers	A information resource for careers in biotechnology that includes education materials and job search resources.	https://biotech-careers.org/

	Features: • Exploration of biotechnology careers, within areas of the bioscience industry. • Education pathways for job areas linked to InnovATEBIO's career website. • Profiles of people in different biotech careers, including typical daily tasks, education required, advice for interested students, and photos at work. • Video interviews and articles of various biotech professionals. • Internship and job postings in the field. • Maps of biotech companies, focus areas of research, around the world. • A list that connected biotech careers with jobs areas and business areas.	
LabXChange's CareerXplorer	Created by LabXchange, CareerXplorer unites K–12 education, higher education, and STEMM industries in one streamlined career exploration tool that emphasizes career-connected learning through interactive content. Site includes: • <u>Career simulations</u> that contextualize skills and duties in real world scenarios. • <u>Standards-aligned teaching guides</u> to assist in classroom use. • <u>Interactive education pathways</u> that showcase paths to careers.	https://careerexplorer.labxchange.org/

I am BIO Podcast	Powerful stories of biotech breakthroughs, the people they help, and the global problems they solve. Available on Apple, iHeart Radio, Spotify, and YouTube.	https://www.bio.org/podcast
Life Sciences in Full Color	A resource to explore the life sciences industry, see how the field impacts everyday life, and find ways to get involved. Features: • Stories from individuals in different life sciences career and their pathways to the industry. • Job training, education and internship programs and resources for jobseekers, students and parents.	https://lifesciencesinfullcolor.com/
Biotech Careers InnovATEBIO	A list of biotech careers, differentiated by those focused on lab-based work (“at the bench”) and careers that integrate non-science skills/interests with biotech (“beyond the bench”). Profiles include typical activities and links to more information at biotech-careers.org	https://innovatebio.org/resource/biotech-careers
Micro Nano Technology Educator Center	A resource to support the micro nano tech (MNT) technician workforce by fostering academic and industry mentorship between existing MNT partners, educators, and students. Features: • MNT news and blog sites. • A list of online and distance education opportunities. • Industry and education podcasts. • Databases of internships and employment.	https://micronanoeducation.org/

	• A calendar of workshops, professional conferences, and events on emerging MNT technologies. • A peer reviewed technical journal produced by the Advanced Technological Education (ATE) community.	
Digital World Biology	Resources for teaching modern biology, including: • Biotechnopoly – Antibody Education • Card and Games • Books and Worksheets • Courses and Tutorials • “Discovery Biology in a Digital World” Blog	https://digitalworldbiology.com/
GBH- PBS Learning Media	Free, curriculum-aligned videos, interactives, lesson plans and more for Massachusetts teachers. Subject areas are searchable by grade, and resource type. Most resources can be shared to Google Classroom, and include support for lesson building, with creation of a free account. The Life Sciences section includes a selection of videos for careers in life sciences, including Career Spotlights and Scientists in Action.	https://mass.pbslearningmedia.org/
Bio-Rad Laboratories Classroom Resources	Video tutorials featuring training for many core biotechnology laboratory skills. YouTube Channel featuring videos from the Bio-Rad Explorer education program, as well as ones curated by other educators and scientists, for high school and college educators and students.	Classroom Resources Bio-Rad https://www.youtube.com/@BioRadEducation

Massachusetts Science and Engineering Fair (MSEF)	Each year thousands of students in Massachusetts experience the professional practices of working scientists and engineers through the development of independent research projects. MSEF supports the students and their teachers with a portfolio of tools (webinars, handbooks, volunteers, etc.) that facilitate and enhance their research. Students participating in the fair will have access to a mentoring team of science professionals, as well as interact with industry professional judges. Information sessions, mentoring and additional supports are available for schools and/or coordinating teachers/school leaders interested in participating in the science fair.	https://scifair.com/
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