



MCI STEAM SUMMER PROGRAM

A **science, art, and technology summer program** in Maine, U.S.A. that offers both the **New England boarding school** (Maine Central Institute) and **top American college** (Colby College) experience

STEAM CURRICULUM

Aviation

The aviation unit covers a wide range of topics in the history of aviation, pilot training process, airplanes, instrumentation, aerodynamics, weather theory, navigation, and safety.



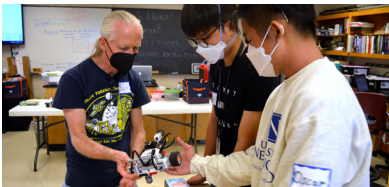
3D Printing

Utilizing the MCI Makerspace, the 3D printing unit explores topics in engineering design, technical drawing, kinematics, velocity, energy, and momentum.



Robotics

This unit will focus on introducing participants to the concepts of engineering and programming, as well as provide hands-on experience building robots using the LEGO MindStorms Robotics Kit.



Health Sciences

The health sciences unit will engage participants in a variety of practical learning opportunities, including CPR/First Aid training and visits to university facilities with local medical experts.



Music and Arts

Explore music performance, utilize advanced art techniques such as acrylic and oil painting, and learn about the world of theatre and theatre makeup.



ACTIVITIES

Boston & Harvard University

As the largest city and cultural center of New England, our trip to Boston will be highlighted by a visit to Harvard University, one of the most prestigious and highly ranked universities in the world. Other activities in Boston will include seeing national historical landmarks and taking in some of the best sights and stores that Boston has to offer.

Explore Maine's Outdoors

The state of Maine is a popular summer tourist destination in the United States and is known for its beautiful outdoor scenery and picturesque coastline. Trips throughout Maine's outdoors include a hike up Mt. Battie and multiple trips to Maine's elegant coastline for sightseeing and shopping.



Ballet and Music Performances

Our music and art curriculum is capped off with a multitude of different artistic performances throughout your stay. Bossov Ballet Theatre, MCI's pre-professional performance company, will perform the ballets *Carmen* and *Chopiniana*, and the annual Atlantic Music Festival at Colby College will gather musicians from all around the world.

White Water Rafting

A staple of our weekend activities includes the annual white water rafting trip, where the charming Maine outdoors are explored down the rapids of the Penobscot River.



Campus Activities

From cozy summer night bonfires on MCI campus and enjoying the Olympic-size pool at Colby, to learning new skills like fencing, there will be numerous activities available for participants at both of our campuses. These activities provide a chance for our international community to come together and have fun.



SAMPLE SCHEDULE

	Units	Location
Week 1 (July 3 - 9)	3D Printing, Drama, Music	MCI
Week 2 (July 10 - 16)	Aviation	MCI
Week 3 (July 17 - 23)	Robotics	Colby
Week 4 (July 24 - 28)	Health Sciences, Art, Creative Writing	Colby



MAINE
CENTRAL
INSTITUTE

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