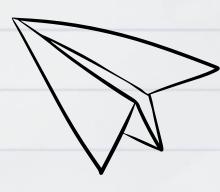
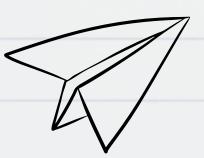


What is the BtC Summer Program?



An intensive seven-week program at Northeastern University for high school students to prepare and succeed in subsequent math courses like AP Calculus. Additional enrichment programs are included. Paid internships will be available for students attending the entire program.



Pre-Calculus/Calculus

7:30 AM - 9:30 AM

Content Covered

- Functions, lines, and quadratics
- Exponential logarithmic, trigonometric, rational, and polynomial functions
- Inverse, transformation, and combination of functions and their graphs



Financial Literacy

9:30 AM - 10:30 AM

Content Covered

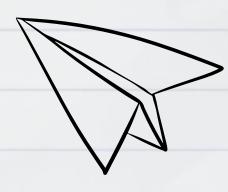
Students will learn basic budgeting skills, goal setting, and financial decision making!

- Banking and saving
- Credit and credit cards
- Student loans
- Overcoming wealth generation hump
- Interest rates and investing



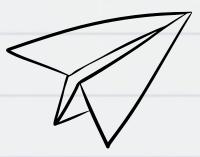


Enrichment Programs



11:00 AM - 1:00 PM

Additional classes students will choose from to complement the math courses

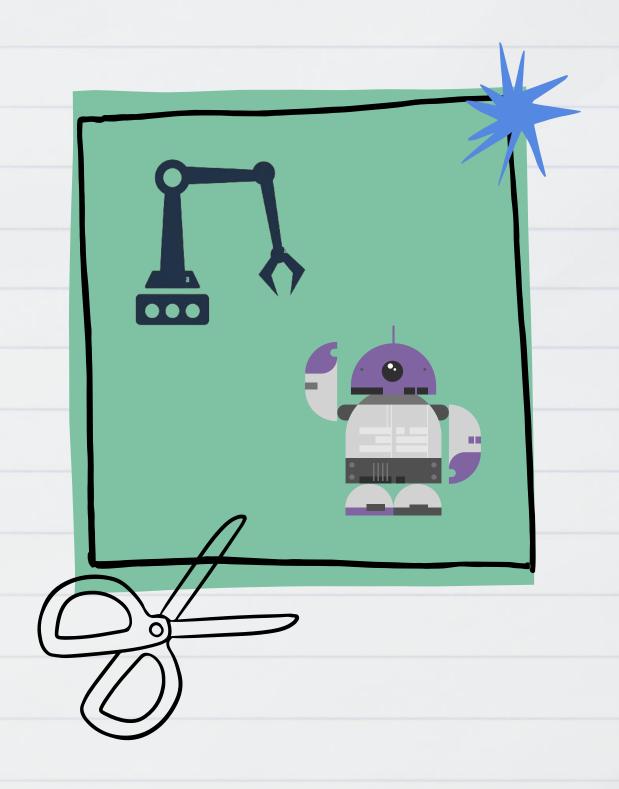


Robotics

Fridays

Content Covered

Kinematic Sculptures



Game Programming

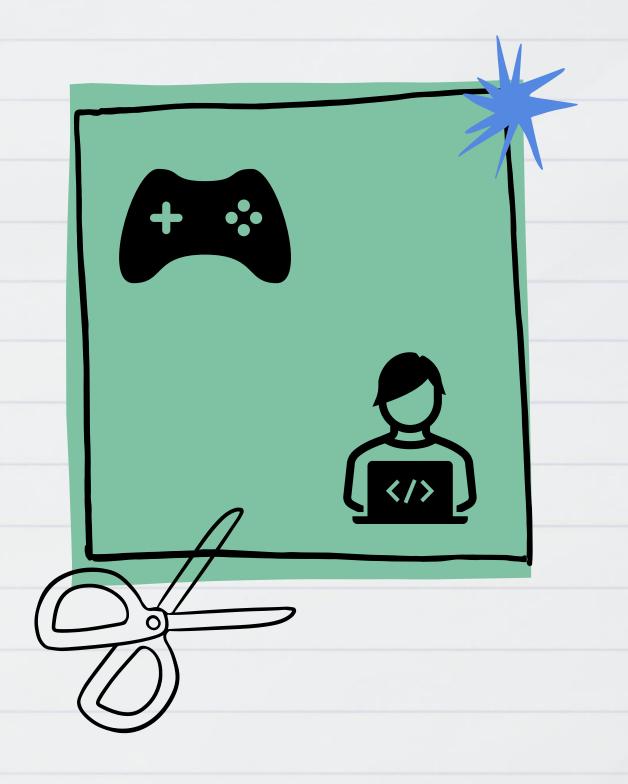
Content Covered

Game Art

- Sounds
- Animations
- Level Design

Course Project:

Build a game with your teammates utilizing the professional game engine Construct 3

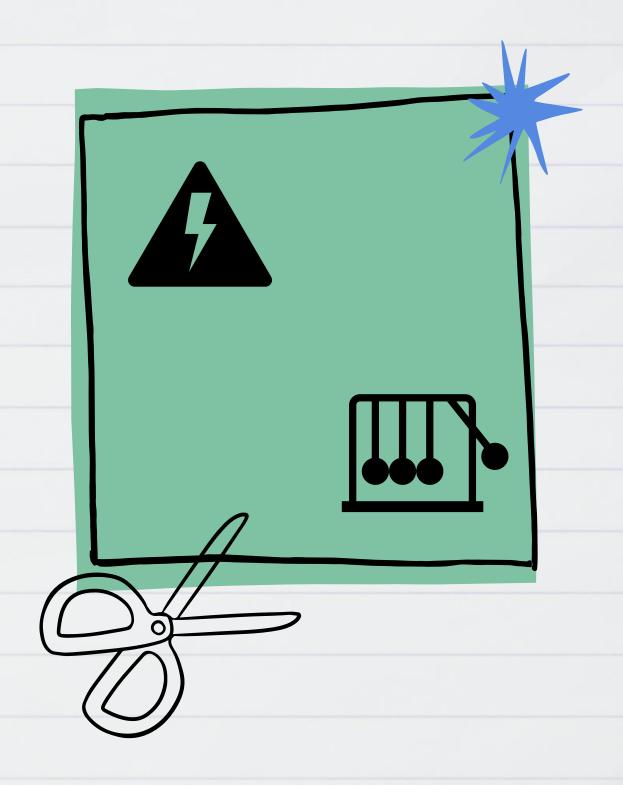


Physics

Content Covered

- Force
- ElectricityMagnetismGenerators
- Sound

Lab work included and final project at the end of program!

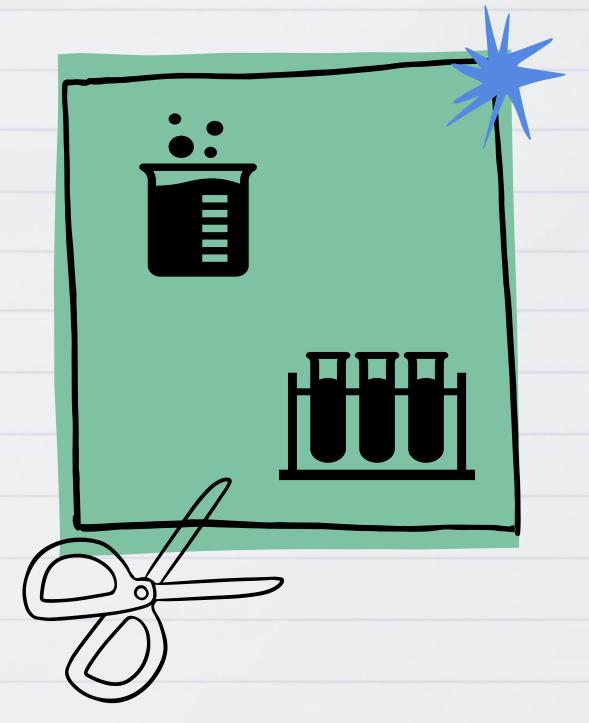


Chemistry

Content Covered

- Drug Discovery
- Forensic Chemistry
 Colligative Properties
 - In Food
- Food Chemistry
 Environmental Chemistry
 - Mock Autopsy

Lab work, mock autopsy, drug R&D workshops included and final project at the end of program!

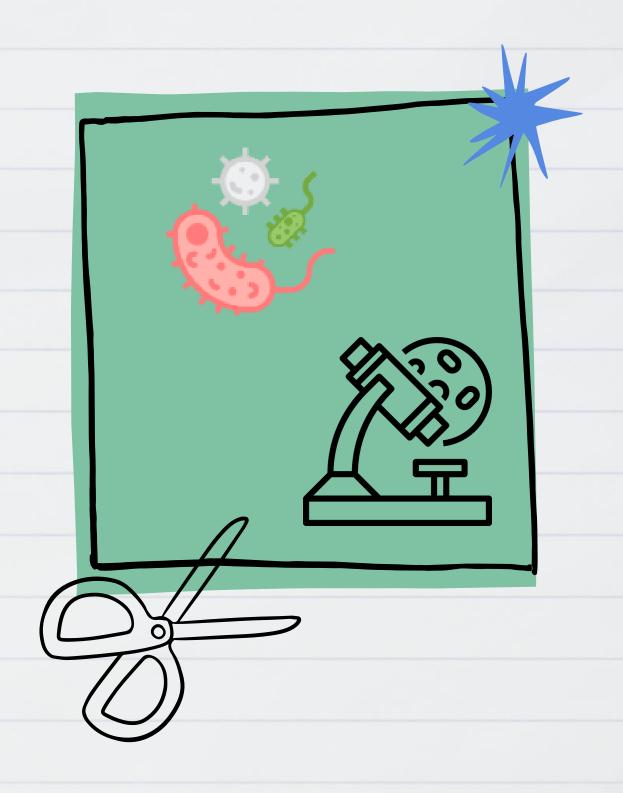


Biology

Content Covered

- Cellular Biology
- Ecology and Traits

Hands on activities and final project at the end of program!

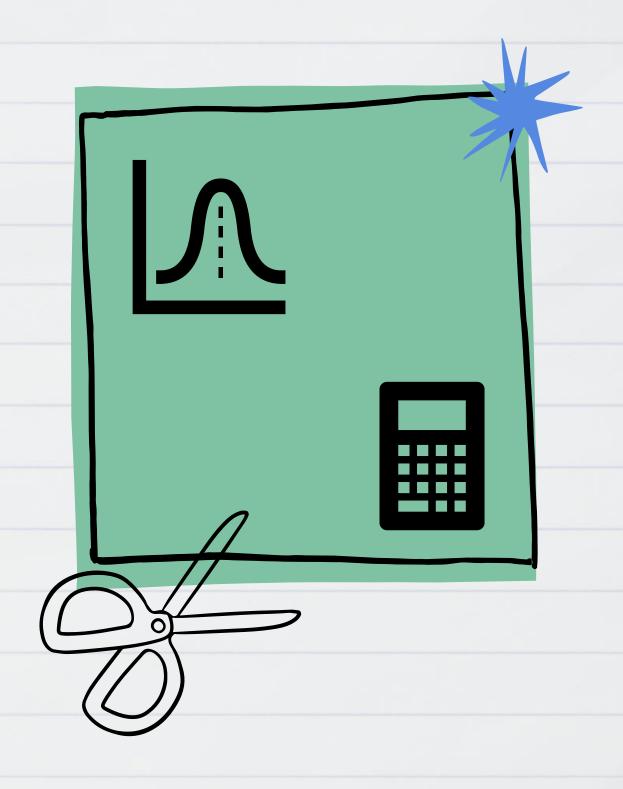


Statistics

Content Covered

- Fundamental Statistics
- Data Science Concepts
- Statistics in daily life

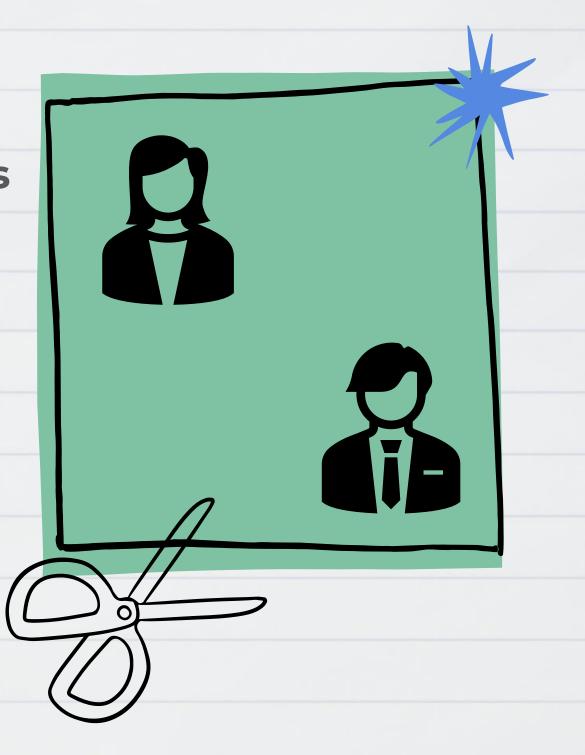
Hands on learning, collaborative research, and final project at the end of program!



Professional Development

Career exploration, readiness day lead by Northeastern's Career Design team

- Northeastern's Center for the Study of Sport in Society's workshop that promotes inclusion, personal validation, leadership skills, and community and economic empowerment.
- Workshops from the City of Boston's Office of Financial Empowerment (OFE) on Banking & Credit Building.
- Campus tours from Admissions Office.



Day in the life of a BtC student

ident roup	7:00 AM		8:00 AM	9:00 AM		10:00 AM		11:00 AM	12:00 AM
irp 1 n- Th)		Pre-Calculus				ject Math	Lunch	Biology/Chem	
rp 2 n- Th)		Pre-Calculus				ject d Math	Lunch	Physics	
rp 3 n- Th)		Pre-Calculus				ject d Math	Lunch	Game Programming	
rp 4 n- Th)		e-Calculus			ject d Math	Lunch	Statistics		
Grps (F)		Robotics					Lunch	Robotics	

Program Contacts

Bindu Veetel:

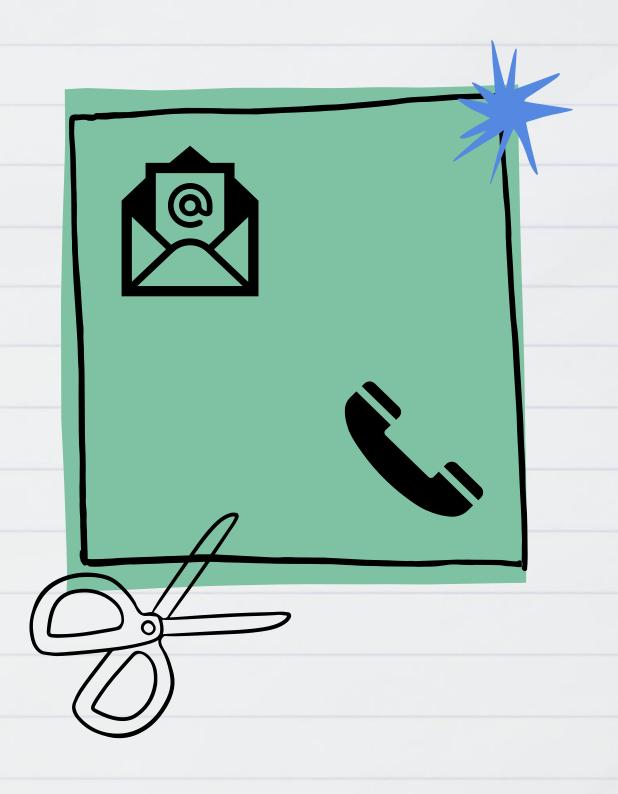
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BtC Email:

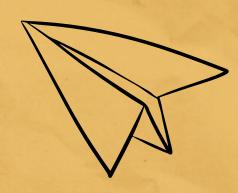
BtC@northeastern.edu





Registration





https://neu.co1.qualtrics.com/jfe/form/SV_1
LnPAGAQ6XHtbhA



