

THINK LIKE A SCIENTIST

Info Session | Fall 2024

Sigma Xi, Northeastern University Chapter

WHAT IS THINK LIKE A SCIENTIST?

- STEM Outreach Program
- Founded and ran by the Northeastern chapter of Sigma Xi (Scientific Research Honor Society)
- Conduct science experiments twice a week in the Boston area with elementary school-aged children
- Demonstrate scientific concepts and skills to children actively learning these concepts in school

WHO WILL BE RUNNING THINK LIKE A SCIENTIST?

Shreya Rajeswaran
4th Year Biochemistry
Sigma Xi Affiliate

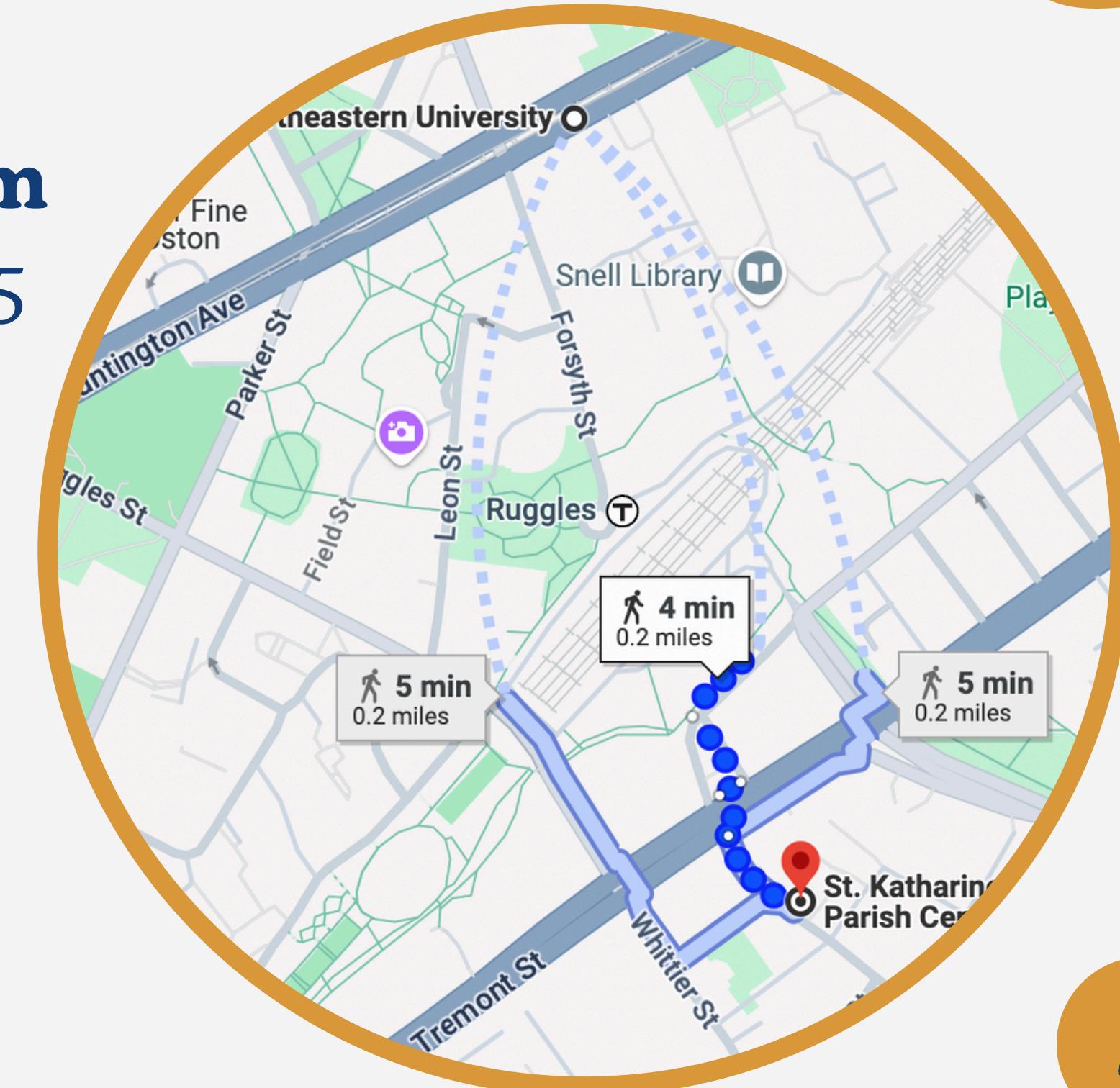
Aissata Cisse
4th Year Biochemistry
Sigma Xi Associate
TLAS Chair

Lauren Dang
4th Year Biochemistry
Sigma Xi Associate

COMMUNITY PARTNERS

Sr. Mary Hart Children's Program

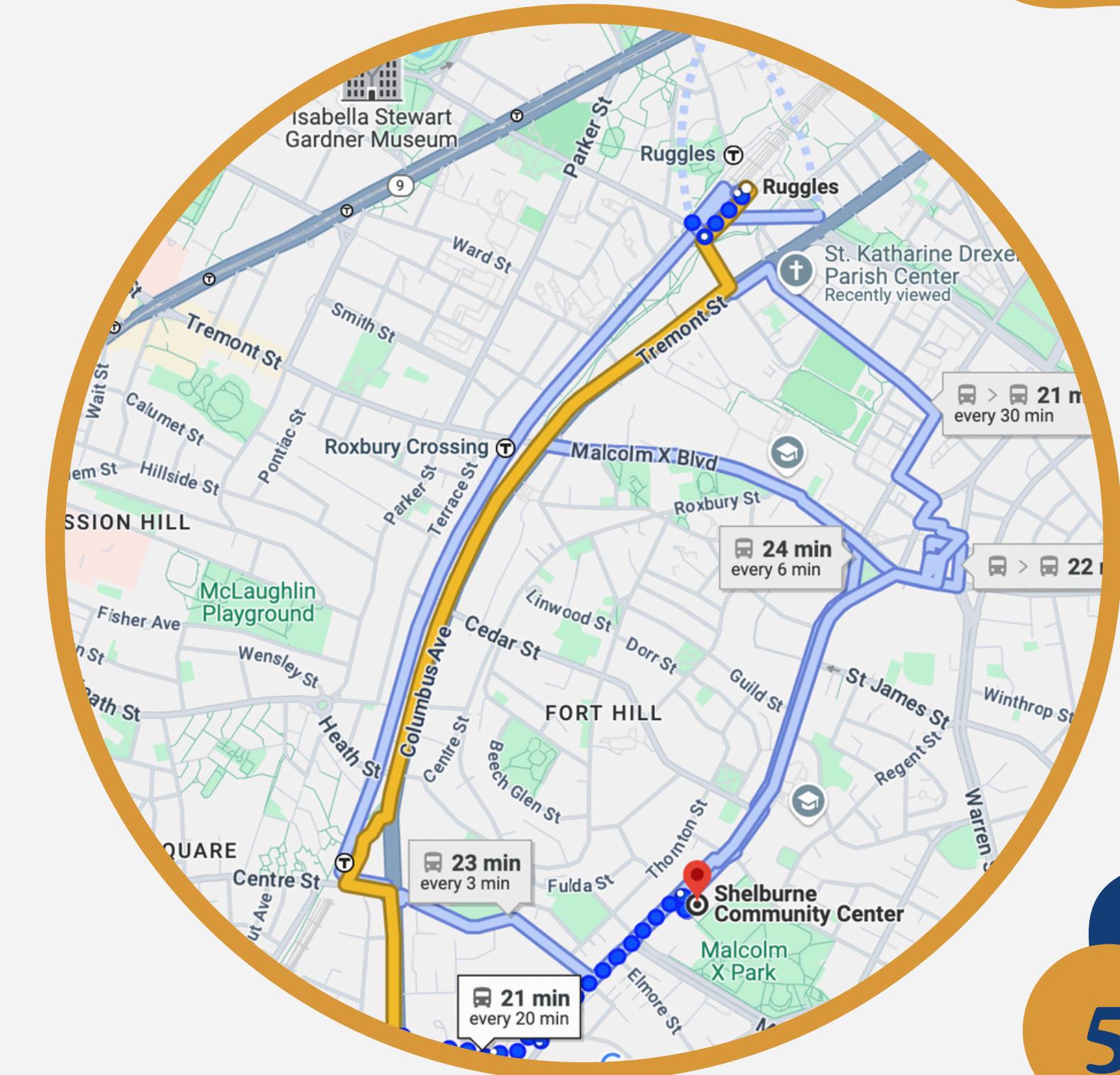
- St. Kat Drexel Parish Center - 175 Ruggles St, Roxbury, MA 02120
- 2 minute walk from IV
- About 8 children
- Ages 5-10
- Tuesdays, 3:30 - 4:30pm



COMMUNITY PARTNERS

Boston Center for Youth and Families - Shelburne

- Shelburne Community Center
 - 2730 Washington St, Boston, MA 02199
- 2 stops on Orange Line, then 10 min walk
- About 15 children
- Ages 5-11
- Thursdays, 4-5pm



OCTOBER 2024 DATES

Tuesdays (St. Kat's)

October 1st

October 8th

October 15th

October 22nd

Thursdays (Shelburne)

October 10th

October 17th

October 24th

*October 5th - BPS Holiday

*October 31st - Halloween

NOVEMBER 2024 DATES

Tuesdays (St. Kat's)

November 12th

November 19th

Thursdays (Shelburne)

November 7th

November 14th

November 21st

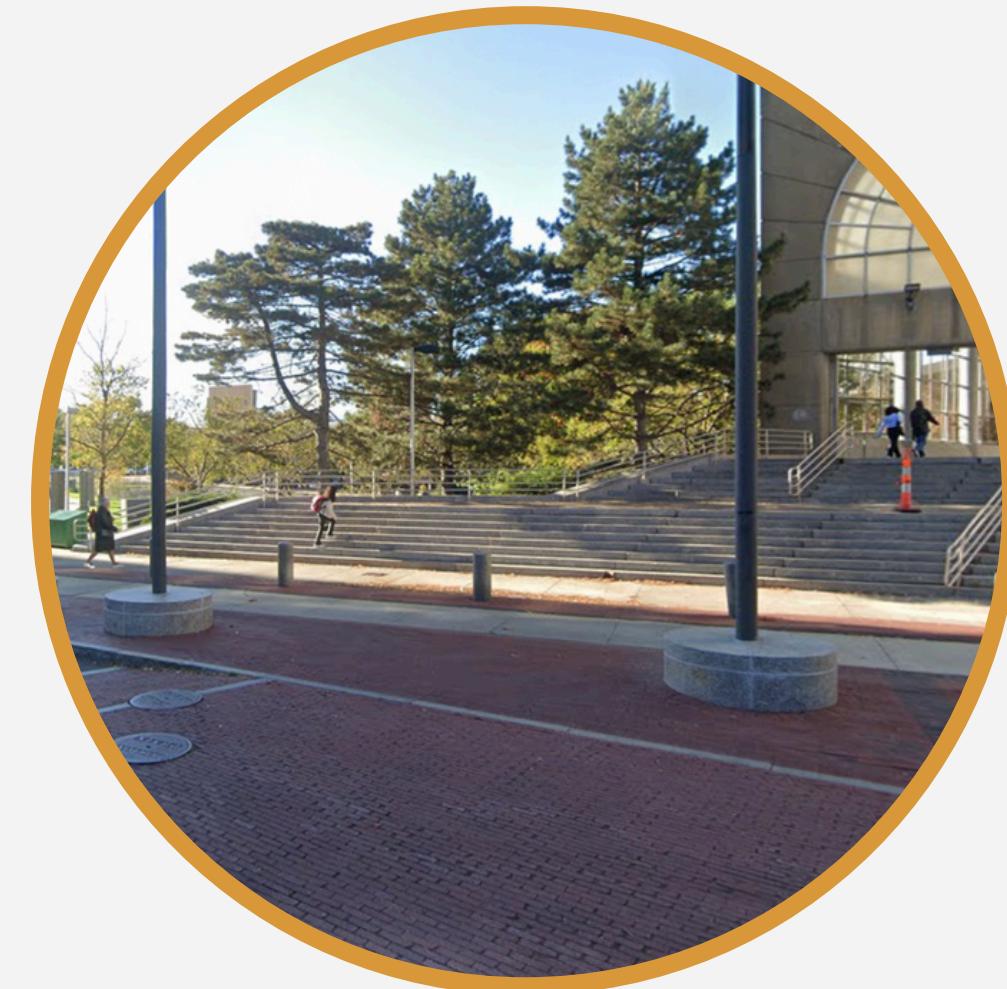
*November 5th - BPS Closed

*November 28th - Thanksgiving

WHERE DO WE MEET?

- **Tuesdays**

IV-side of Ruggles Station at 3:20 pm (we will wait about 5 mins before walking over)



- **Thursdays**

Inside Ruggles Station, by the Orange Line gates at 3:20 pm (we will wait about 10 mins before boarding the T)



***Note: Please do your best to be on time or communicate that you are running late!**

MENTOR RESPONSIBILITIES

1

Assist in experiment setup, implementation, and cleanup - this will help the session start/end on time and keep things running more smoothly

2

Assist kids with any difficulties and make sure they are staying on task - children have a very short attention span, and some kids pick up on things more quickly than others

3

Design experiments for the upcoming Spring semester - mentor feedback on experiment ideas is always welcome and extremely helpful!

WHY PARTICIPATE IN TLAS?

- **Great Volunteer Opportunity**

Whether you need a set amount of volunteer hours or want to be more involved in the Boston community, TLAS is a great way to accomplish your volunteer goals!

- **Great way to become involved in Sigma Xi**

A few of our mentors have become Sigma Xi members through TLAS -- if you are interested in applying to Sigma Xi, participation is a great way to demonstrate your interest in the organization!

FAQ

Do I need to be a member of Sigma Xi to join?

Nope! TLAS participation is open to all Northeastern students.

What is the time commitment?

1-2 hours a week, depending on your availability.

Do I need to attend every session?

No, but we strongly encourage you to attend as many as you are available for!

PAST EXPERIMENTS

- Biology
 - Light color and plant growth
 - Edible DNA Model
- Chemistry
 - Creating slime
 - Solubility, density of different substances
- Physics
 - Catapults
 - Harry Potter wands
- Misc.
 - Engineering challenge
 - Cookie mining
 - Genetics lesson



FOR SIGMA XI MEMBERS

Each TLAS session is worth 0.5 attendance points. This provides the opportunity to earn up to 6 attendance points!

Reminder: You need 10 attendance points to be in good standing for Sigma Xi, so this is a great way to get those attendance points!

READY TO JOIN TLAS?

Please fill out the Mentor Commitment Form, which outlines the conditions of signing up for participation in Think Like a Scientist!



<https://forms.gle/41zHcm5pa1v4zXss5>

QUESTIONS?

For TLAS-related inquiries: Aissata Cisse
(cisse.a@northeastern.edu)

For Sigma Xi-related inquiries: Sigma Xi
(sigmaxi.northeastern@gmail.com)

**Thank you for attending and we hope to see you at
one of our sessions!**