



# Tyee PTSA Science Club

2024-2025



# Meeting Agenda

- Introduction to Tyee Science Club
- Club Format
- Registration
- Class Placement & Team Selection
- Club Schedule
- Q & A

# Introductions

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## **Mission Statement:**

Tyee Science Club aims to promote interest and excellence in science through the mentorship and guidance of students.

# Club Leadership

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## Club Chairs:

- Grace Yu
- Katherine Ma
- Yiwen Sun
- Tina Cui
- Ling Ding

## Head Coach / President:

- Nihal Josyula

## Asst. Head Coach / Vice President:

- Evan Wang

# Coaching Staff



Room 1

Nihal Josyula  
Evan Wang  
Ayden Lee

Room 2

Carol Gong  
Julia Zhang

Room 3

William Wang  
Alexander Yu  
Albert Lu

Room 4

Nuaym Syed  
Andrew Chen  
Yanjia Ji

# Club Format

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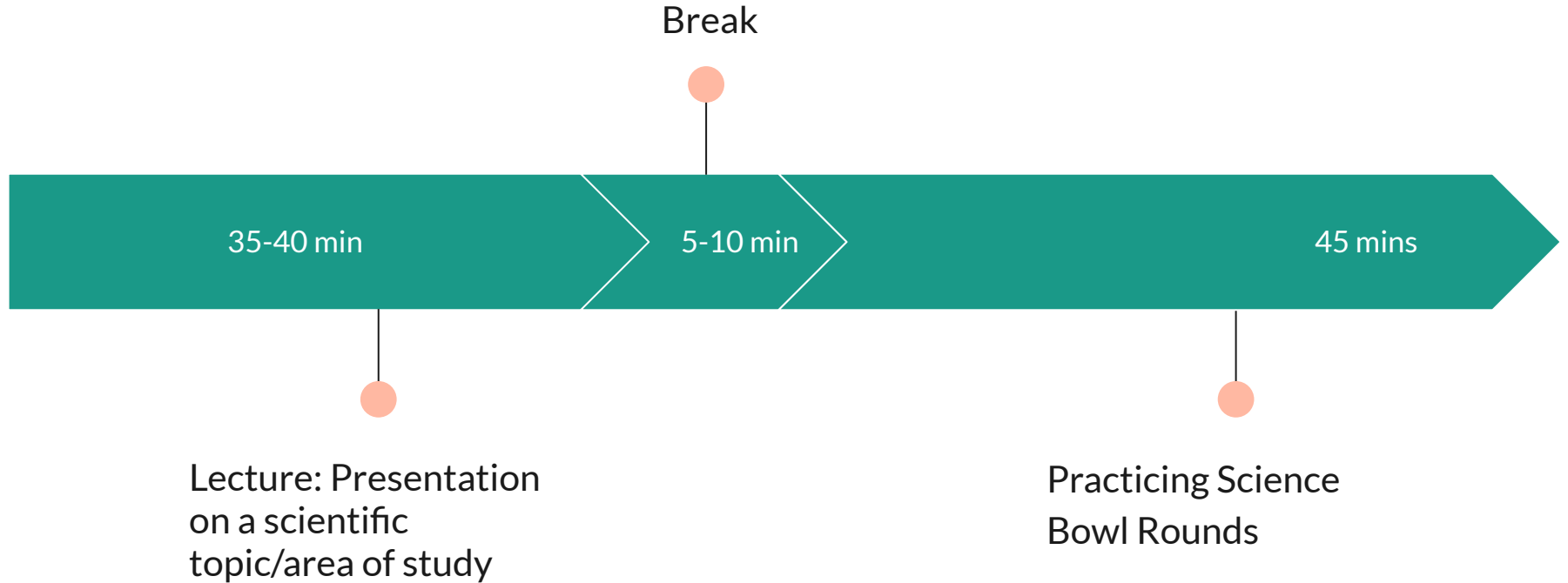


# Club Organization

- **Schedule:**
  - Every Tuesday
  - 7:00pm-8:30pm (90-minute club meetings)
- **4 Rooms of 15-20 students, each led by 2-3 coaches.**
  - This model allows coaches to better specialize their curriculum based on student need, and encourages students to engage more in club meetings.
  - Expansion in room size reflects the growth in Tyee's 6th grade class



# Meeting Timeline





## What to Expect

- Our coaches will deliver a lecture on a topic of their choice each week.
  - Life Science, Physical Science, Earth and Space Science, Energy, Math
- All science topics tested will be covered equally.
- Aim to build knowledge while honing intuition.



## **Class Points!**

- By participating in Tye Science Club, students can accumulate points that can be used to redeem prizes at the club's end and throughout the year.

Students can redeem points through 3 methods:

1. Attending Club Meetings (5 points per meeting)
2. Participating in Class
3. Completing Club Homework (58 points maximum)

# Homework



- Assigned weekly through Google Classroom by room coaches
- 10 Questions total:
  - 7 Multiple Choice/Short Answer questions testing material covered during the lecture. (4 Points Each)
  - 3 Extension/Research questions on scientific concepts related to the lecture. (10 Points Each)
- Not required but **HIGHLY** Recommended and great for science bowl preparation.
- Also serve as great review for previous lectures.
- Students will also have the chance to review during lectures.



# **Internal Competition + Club Resources**

## Internal Competition:

- Science Bowl style competition open for ALL students
- Hosted in February over multiple club meetings
- Students are encouraged to choose their own teams

## Club Resources:

- Subject-related competitions such as “You Be The Chemist”
- Tye Science Club Library

# Registration

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## Registration

- Two steps:
  - 1. Register and pay through the Tyee PTSA website
  - 2. Optional: Register for the placement exam  
<https://forms.gle/bvfgt6vEdKGE9Yfv7>
- Club Registration will open at 10:00 pm on **Tuesday, 9/24**.  
Registration will close at 9:00 pm on **Saturday, 9/28** or when the club's 75 slots are filled, whichever comes first.
- Registration Fee: \$30/student, is non-refundable.





# Housekeeping

- PTSA Membership required prior to registration, please renew [here](#) if you haven't done so already.
- Per our PTSA policy, parents must be present in each classroom. Therefore, our parents are required to volunteer at least twice for each student. Volunteer schedules will be shared once room placements are finalized.
- Students must abide by school building use rules, be respectful to our coaches and parent volunteers. The club will give out warnings to students who disrupt classroom activities or behave inappropriately in external competitions when representing Tyee PTSA Science Club. If a student receives three warnings, the student is required to drop out from the club (with no refund of registration fee) or the student's parent is required to serve as the classroom volunteer in their students' room for all future club meetings in order to continue attending club activities.



# Class Placement

Date: Tuesday, 10/1 from 7:00 - 9:00 pm

Location: Tyee Classrooms

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# Placement Exam Format

- 40 Questions, 15 Minutes
  - Note that students are NOT expected to answer all questions in the allotted time.
- Separate Exam for each Science Bowl subject:
  - Biology
  - Physical Science
  - Earth and Space Science
  - Math
  - Energy
- General Exam Rules:
  - Permitted Supplies: Scratch Paper, Pencil, Pen, Eraser
  - Prohibited Supplies: Rulers, Calculators, other Electronics
  - More rules will be shared through email.



## Exam Format (cont)

- Students can choose which subject exams they would like to take.
- Placement Exam scores are then inputted into an algorithm to give a student's final score.
- Full Scoring System:
  - <https://tinyurl.com/TSCScoringAlgorithm>

The top 15 students from the placement exam will be placed in Room 1, then the next 15-20 students in Room 2, etc.

Students who don't take the placement test will be placed into Rooms based on availability.



# Why Room Placements?

- Streamlines learning:
  - Prevents students from re-learning material they already know or being discouraged upon encountering overly complex concepts.
- Encourages improvement:
  - “I didn’t make Room 1 but I want to be on a science bowl team”
  - “I made Room 1 but need to continue improving to compete for a team”

**Sign-Up by 9pm, 9/28:**

**<https://forms.gle/qD1Zd6QFaZRK7Ked7>**



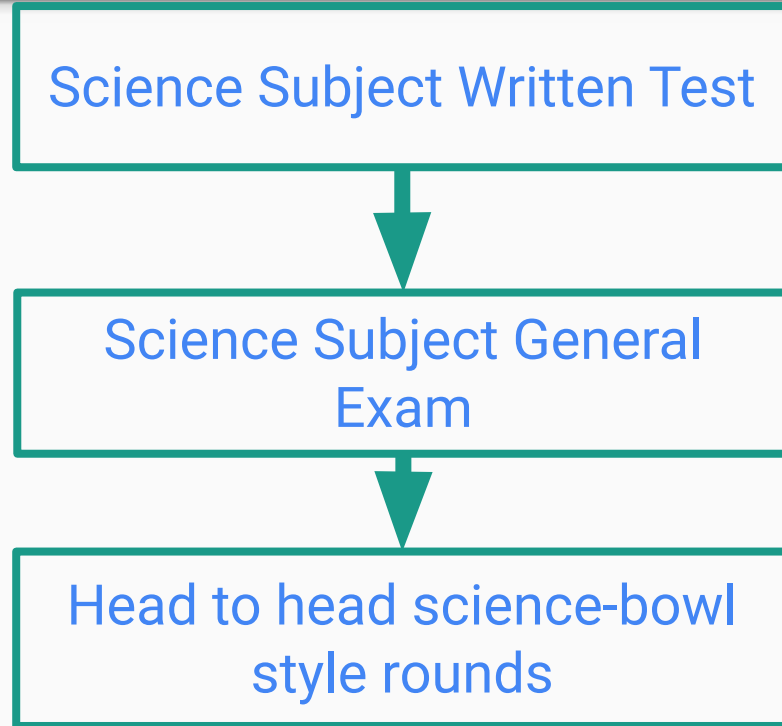
*Note: Students who do not register within the time-frame will NOT be permitted to take the Placement Exam.*

# What is Science Bowl?



- Fast-paced, team-based science competition organized by the Department of Energy
  - Quiz-bowl style (think Jeopardy)
- Regional Science Bowl
  - February 1st, 2025 @ University of Portland
- National Finals
  - Consists of teams who win their regional event
  - @ Washington DC
- For more information:
  - [National Science Bowl Wikipedia](#)
  - [Science Bowl Style Questions](#)

# Team Selection Process



# Team Selection Test

Date: November 5th, 2024

Time: 7:00-9:00pm

Location: Tye Classrooms,  
during club meeting time.

- 40 Questions, 15 Minutes
- Separate Exam for each Science Bowl subject:
  - Biology
  - Physical Science
  - Earth and Space Science
  - Math
  - Energy
- General Exam Rules:
  - **Now, students are required to test in ALL subjects.**
  - Will also be used to reshuffle rooms.
  - Permitted Supplies: Scratch Paper, Pencil, Pen, Eraser
  - Prohibited Supplies: Rulers, Calculators, other Electronics
  - Scoring:  
<https://tinyurl.com/TSCScoringAlgorithm>



# Selection

Selection Index = 2 x (Written Test Score) + (Placement Exam Score)

Top 15 students will advance to a Tyee Science Bowl team.

*A selection index method is used to allow students who show significant improvement during the club to earn a position on a team.*

# Buzzer Test

Date: November 12th, 2024

Location: Bellevue Library  
Time: TBD

This exam is crucial to evaluate not just student knowledge, but student familiarity of the competition format.

- For Top 15 students only
- Subject-Based
- Used to determine team placement (Team 1, Team 2, Team 3)
- General Exam Rules:
  - Permitted Supplies: Scratch Paper, Pencil, Pen, Eraser
  - Prohibited Supplies: Rulers, Calculators, other Electronics
  - Students will answer questions using a physical buzzer system.

**Note: ALL Buzzer Test Participants Will Be Placed On A Science Bowl Team.**

# Important Dates

9/28 - Sign-up for Class Registration and Placement Exam Closes

10/1 - Class Placement Exam

10/8 - First week of meetings

11/5 - 2nd Written Exam

11/12 - Buzzer Exam

9/24/2024	Student/Parent Night	In Tyee School Library
10/1/2024	Class Placement - Written Test	First week classrooms are needed
10/8/2024	1 Presentation	
10/15/2024	2 Presentation	
10/22/2024	3 Presentation	
10/29/2024	4 Presentation	Halloween
11/5/2024	5 Team Selection - Written Test	-----
11/12/2024	Mixed Activity Day	-----
11/19/2024	6 Presentation	
11/26/2024	7 Presentation	
12/3/2024	8 Presentation	
12/10/2024	9 Presentation	
12/17/2024	10 Presentation	
12/24/2024	Winter Break*	Winter Break
12/31/2024	Winter Break	Winter Break
1/7/2025	11 Presentation	
1/14/2025	12 Presentation	
1/21/2025	13 Presentation	
1/28/2025	14 Presentation	
2/4/2025	15 Internal Competition	Subject to Change
2/11/2025	16 Internal Competition	Subject to Change
2/18/2025	17 Internal Competition	Subject to Change
2/25/2025	Mid-Winter Break	Subject to Change
3/4/2025	18 Internal Competition	Subject to Change
3/11/2025	19 EOY Party	In Tyee School Commons

# Old: Tyee Science Olympiad Club

Was Previously Hosted Every Thursday

Focused on the Science Olympiad series of competitions, which is:

- Larger Scale (15-player teams)
- Event-focused rather than topic-focused
- Knowledge AND experiment-based competition

Much more diverse and generally more inviting experience than National Science Bowl.

**We unfortunately do NOT offer this anymore.**

# Have any Questions?

Contact Us: [tyesciclub@gmail.com](mailto:tyesciclub@gmail.com) or [nj3004648@gmail.com](mailto:nj3004648@gmail.com) (Nihal J.)

**Q & A**