

# Tyee PTSA Science Club

## 2023-2024

# Meeting Agenda

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

# Introductions

# Mission Statement:

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

# Club Leadership

## **Club Chairs:**

- Grace Yu
- Katherine Ma
- Yiwen Sun

## **President:**

- Darrien Liang

## **Vice President:**

- Abhinand Janakiraman

# Coaching Staff

Room 1

Nihal Josyula  
Cindy Liu  
Albert Lu

Room 2

Evan Wang  
Ayden Lee

Room 3

Carol Gong  
Julia Zhang

Room 4

William Wang  
Alexander Yu

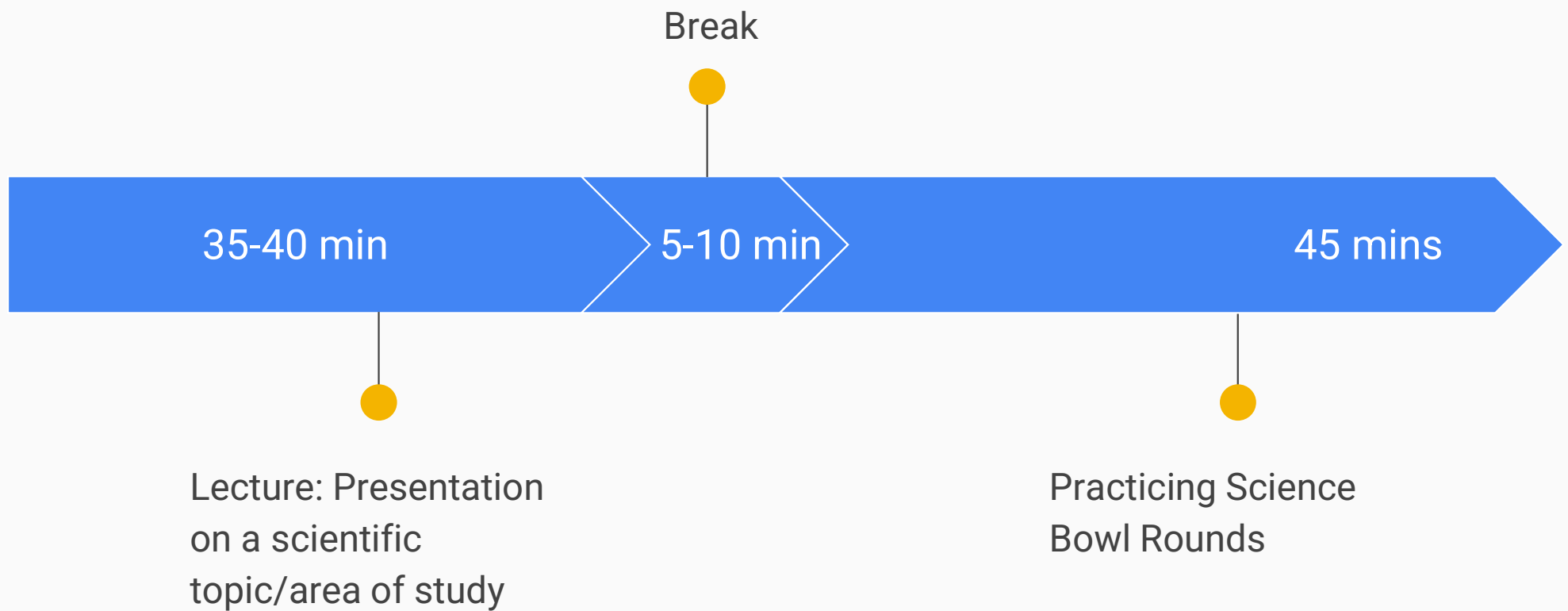
# Club Format

# Club Organization

- **Schedule:**
  - Every Tuesday
  - 7:00pm-8:30pm (90-minute club meetings)
- **4 Rooms of 15 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.



# Meeting Timeline



# Class Points!

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

Students can redeem points through 2 methods:

1. Attending Club Meetings (5 points per meeting)
2. Completing Club Homework

# 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.

## 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”
- Tyee Science Club Library

# Registration

# Registration

- Two steps:
  - 1. Register and pay through the Tyee PTSA website
  - 2. Optional: Register for the placement exam  
(<https://tinyurl.com/TSCPlacementExam2023>)
- Club Registration will open at 10:00 pm on **Tuesday, 9/26**. Registration will close at 6:00 pm on **Saturday, 9/30** or when the club's 60 slots are filled, whichever comes first.
- Registration Fee: \$30/student, is non-refundable.

# Class Placement

Date: Tuesday, 10/3 from 7:00-9:00pm  
Location: Tyee Commons

# 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 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 6pm, 9/30:**

**<https://tinyurl.com/TSCPlacementExam2023>**

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

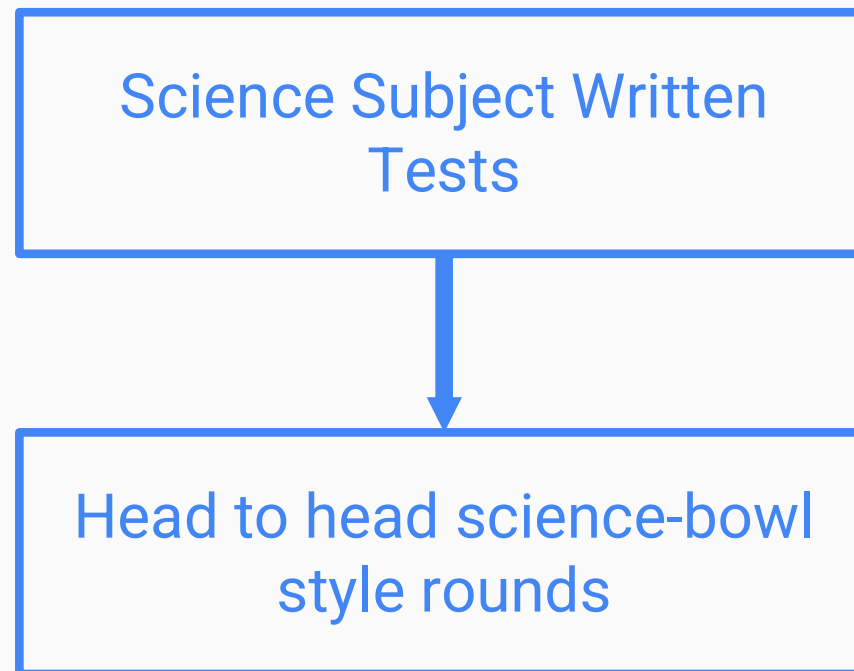
# Team Selection

# 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 10th, 2024 @ University of Portland
- National Finals
  - Consists of teams who win their regional event
  - April 25-29th, 2024 @ Washington DC
- For more information:
  - [National Science Bowl - Wikipedia](#)
  - [National Science Bowl® \(NSB\)...](#)

# Team Selection Process



# Written Test

Date: November 7th, 2023

Time: 7:00-9:00pm

Location: Tyee 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 =  $2 \times (\text{Written Test Score}) + (\text{Placement Exam Score})$

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, 2023

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

9/30 - Sign-up for Class Registration and Placement Exam Closes

10/3 - Class Placement Exam

10/10 - First week of meetings

11/7 - 2nd Written Exam

11/12 - Buzzer Exam

9/26/2023	Parent Orientation
10/3/2023	Class Placement - Written Test
10/10/2023	1 Presentation
10/17/2023	2 Presentation
10/24/2023	3 Presentation
10/31/2023	4 Presentation
11/7/2023	5 Team Selection - Written Test
11/12/2023	Team Selection - Buzzer Test
11/14/2023	6 Presentation
11/21/2023	7 Presentation
11/28/2023	8 Presentation
12/5/2023	9 Presentation
12/12/2023	10 Presentation
12/19/2023	Winter Break*
12/26/2023	Winter Break
1/2/2024	11 Presentation
1/9/2024	12 Presentation
1/16/2024	13 Presentation
1/23/2024	14 Presentation
1/30/2024	15 Internal Competition
2/6/2024	16 Internal Competition
2/13/2024	17 Internal Competition
2/20/2024	Mid-Winter Break
2/27/2024	18 Internal Competition
3/5/2024	19 EOY Party

# New: Tyee Science Olympiad Club

Hosted Every Thursday, 7:00pm-8:30pm

Focuses 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

Science Olympiad events are incredibly diverse, and can range from knowledge of human anatomy and forensic techniques, to building a roller coaster and deciphering secret codes!

# Science Olympiad Club Registration

Interested? Tyee Science Club members can register early with 2 steps:

1. For students: Filling out this form (<https://tinyurl.com/TyeeSciOlyInterest>)
2. For parents: Pay the \$50 club fee for Science Olympiad club through a registration link.

The registration link will be sent to all Science Club members once TSC registration closes, and will be active starting Sunday, October 1st @ 6pm.

For more information about Science Olympiad, Tyee Science Olympiad Club will be hosting a parent orientation meeting on September 26th, from 7:00pm-8:30pm.

# Have a Question?

Contact Us: [tyeesciclub@gmail.com](mailto:tyeesciclub@gmail.com)

Q & A