Group 4 (Sciences)

Chemistry SL

Sports, Exercise and Health Sciences SL

Biology HL

Environmental Systems and Societies HL

- Fulfills both Group 3 and Group 4 requirements (freeing up space for a 6th course of your choice)

Physics SL

- Tentative for 2026

Our Status

Harrison Trimble High School is a Candidate School* for the Diploma Programme (DP). This school is pursuing authorization as an IB World School. These are schools that share a common philosophy—a commitment to high quality, challenging, international education that Harrison Trimble believes is important for our students.

*Only schools authorized by the IB Organization can offer any of its four academic programmes: the Primary Years Programme (PYP), the Middle Years Programme (MYP), the Diploma Programme, or the Career-related Programme (CP). Candidate status gives no guarantee that authorization will be granted. For further information about the IB and its programmes, visit www.ibo.org

IB CHEMISTRY (SL)

Brooke Rowe & Courtney Scott

IB CHEMISTRY STUDENTS WILL BE EXPECTED TO…

Explore chemistry concepts at a deep level.

Apply their knowledge of chemistry to real-world situations and global issues.

Conduct lab investigations, analyze data, and interpret and communicate results.

ASSESSMENTS

01

Internal Assessment - an investigative project where students design, conduct, and report on a chemical experiment. It is an opportunity for students to demonstrate their scientific inquiry and data analysis skills.

02

External Examination - a series of written exams (Paper 1 and Paper 2) that test students' knowledge, understanding, and application of the syllabus content (multiple choice, short answer, extended response).

03

Collaborative Sciences Project- offers students the opportunity to engage in a group-based, inquiry-driven investigation that combines scientific theory with practical research skills. Students work with students in other disciplines to explore a chemistry related question or problem.

WHO SHOULD TAKE THIS COURSE?

- **Students who are:**
- Passionate about Chemistry topics and are looking to pursue Sciences in university and careers in medicine, pharmacy, engineering, chemist, etc.
- Students who love doing lab work – there are a minimum of 40 hours of lab work required.
- Students who are hard working, independent, are critical thinkers, and are prepared to engage in inquiry-based learning.

IB BIOLOGY (HL)

MEG STEAD

IB BIOLOGY (HL) STUDENTS WILL BE EXPECTED TO…

Explore	Explore biological concepts at a deep level.
Apply	Apply their biological knowledge to real-world situations and global issues.
Conduct	Conduct lab investigations, analyze data and interpret and communicate results.

WHAT ABOUT ASSESSMENTS?

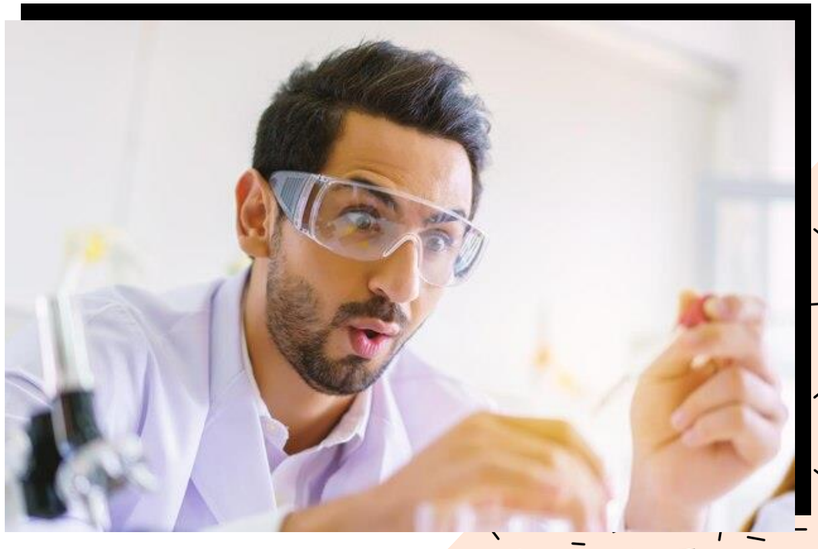
1. Internal Assessment - an investigative project where students design, conduct, and report on a biological experiment. It is an opportunity for students to demonstrate their scientific inquiry and data analysis skills.
2. External Examination - a series of written exams (Paper 1 and Paper 2) that test students' knowledge, understanding, and application of the syllabus content (multiple choice, short answer, extended response)

Collaborative Sciences Project- offers students the opportunity to engage in a group-based, inquiry-driven investigation that combines scientific theory with practical research skills. The project emphasizes teamwork, critical thinking, and scientific communication as students work with students in other disciplines to explore a biological question or problem.

WHO SHOULD TAKE THIS COURSE?

STUDENTS WHO:

- ✓ Have a deep interest in biology, the human body, ecosystems, or the natural world.
- ✓ Aspire to pursue careers in medicine, pharmacology, genetics, environmental science, biotechnology, or research.
- ✓ Are prepared for critical thinking and inquiry-based learning
- ✓ Are eager for a challenging academic experience.

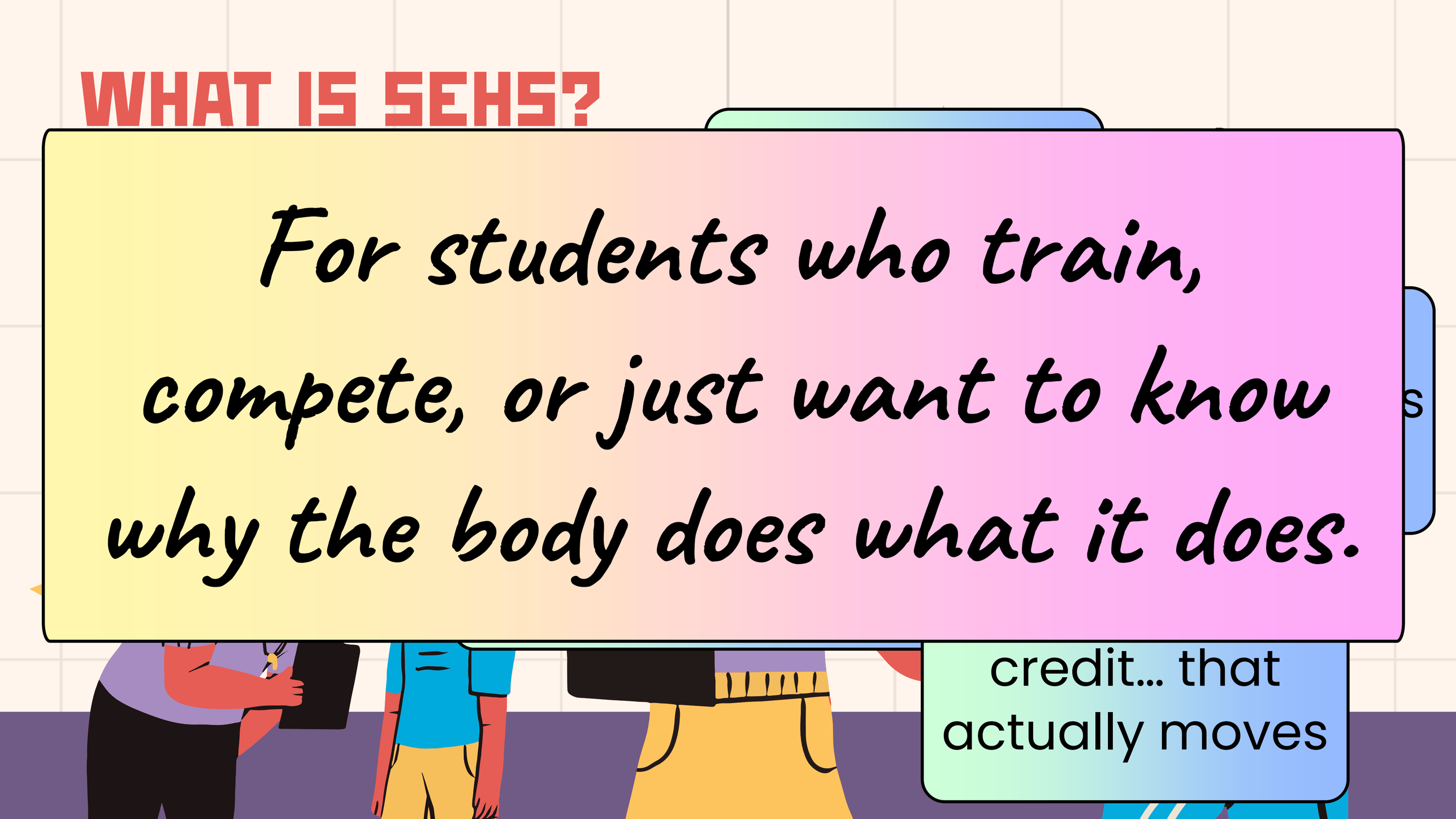


SPORT, EXERCISE & HEALTH SCIENCES (SEHS)

Where sport meets science

WHAT IS SEHS?

For students who train, compete, or just want to know why the body does what it does.



WHAT YOU'LL DO IN SEHS

What You'll Learn & Experience

🎯 CASE STUDIES

Real sport scenarios + practical science answers

🧪 LABS & EXPERIMENTS

Track hydration, test reflexes, measure performance

TRAINING SCIENCE

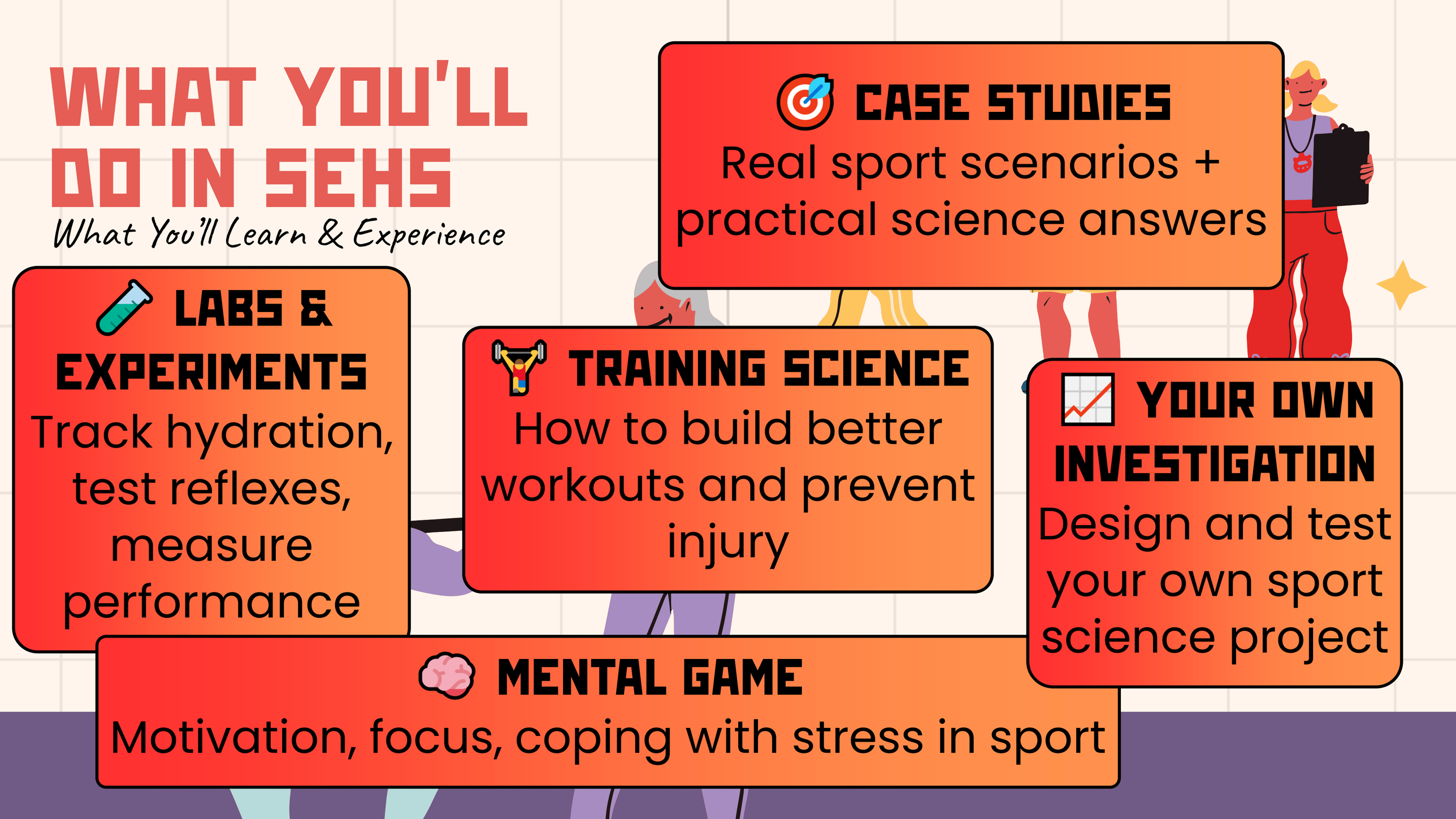
How to build better workouts and prevent injury

YOUR OWN INVESTIGATION

Design and test your own sport science project

🧠 MENTAL GAME

Motivation, focus, coping with stress in sport



Environmental Science & Societies (HL)

Interdisciplinary Science

Geography, Economics, Social Sciences, among others

What You Will Do

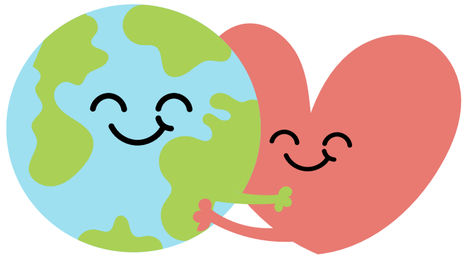
Data analysis, case studies, and fieldwork

Real-World Application

Global & local environmental challenges

Assessments

Internal Assessment: (Research project) + External Assessment (Papers 1, 2)



Who Should take ESS?

Science & Sustainability Enthusiasts, Problem-Solvers, Thinkers, Hands-On Learners

QUESTIONS?

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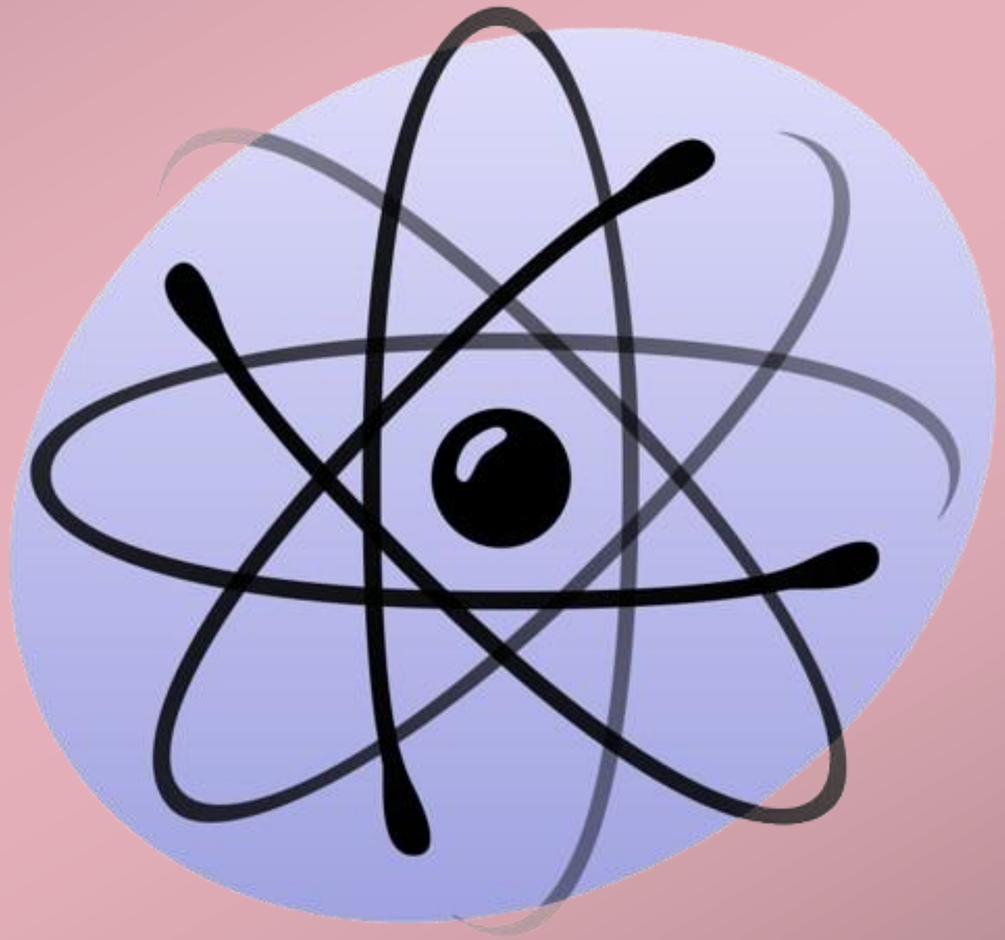
IB Physics SL

Tentative for 2026

- Available as your Year 2 (Grade 12) SL option.



QUESTIONS?