

AP/IB Sciences In MCPS

IB Biology

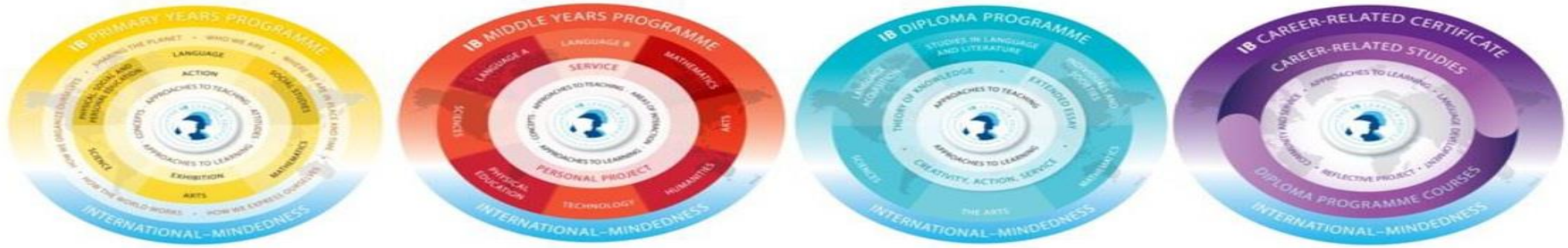
Kathryn Sander Presenting

May 8th
Wootton High School



Learning Engagements:

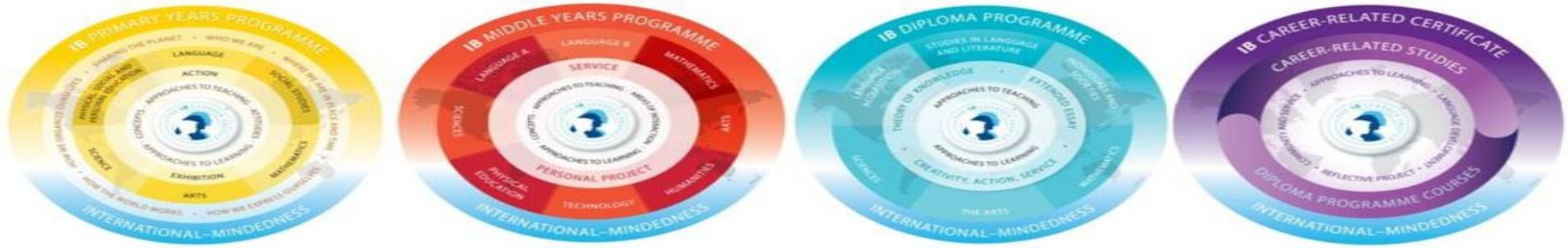
- Overview of the IB Program
- Overview of the IB Biology course
- Examine the pacing of the content in the course
- Assessments: Internal Assessments (IA) and External Assessments (papers 1, 2, &3) and Group 4 project



Middle Years Programme Grade 6-10

A challenging framework that encourages students to make practical connections between their studies and the real world, the MYP is inclusive by design; students of all interests and academic abilities can benefit from their participation.

The MYP curriculum framework comprises eight subject groups, providing a broad and balanced education for early adolescents.

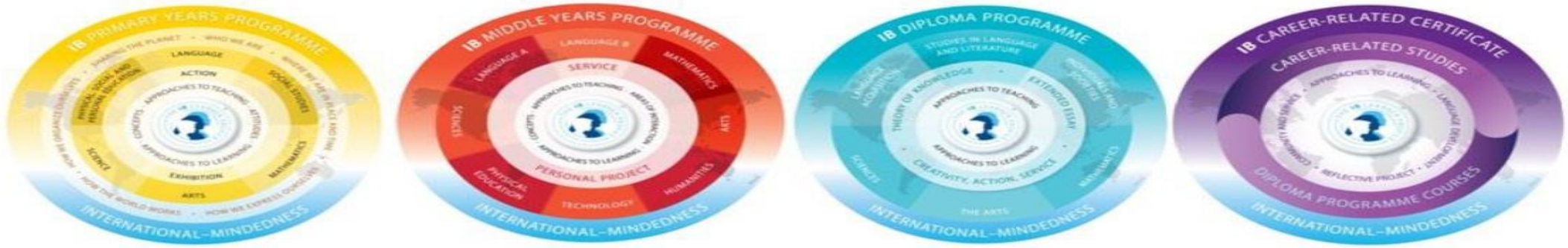


Diploma Program (DP) Grade 11-12

The program aims to develop students who have excellent breadth and depth of knowledge.

DP students are required to take 6 IB courses as well as complete an Extended Essay and Theory of Knowledge.

At least 3 of those courses must be Higher Level (HL)



Career-Related Program 11-12 Grade

- The CP is a framework of international education addressing the needs of students engaged in career-related education, or want to specialize in one aspect of the DP program.
- Student must take at least 2 DP courses
- Designed for students who want to be in one of the counties other programs (Project lead the way, Medical Careers, etc).

Differences Between HL/SL testing level

Standard Level (SL) course:

- Only includes 6 topics of study plus Option

Higher Level (HL) course:

- Includes 11 topics of study plus Option at greater depth of study

Overview of the IB Biology HL/SL courses: Core content

Topic 1: Cell Biology

Topic 2: Molecular Biology

Topic 3: Genetics

Topic 4: Ecology

Topic 5: Evolution and Biodiversity

Topic 6: Human Physiology

Overview of the IB Biology

Additional HL content

Topic 7: Nucleic acids

Topic 8: Metabolism, cell respiration, and photosynthesis

Topic 9: Plant Biology

Topic 10: Genetics and Evolution

Topic 11: Animal Physiology

Overview of the IB Biology Options

Option A: Neurobiology and behaviour

Option B: Biotechnology and Bioinformatics

Option C: Ecology and Conservation

Option D: Human Physiology

Examine the pacing of the content in the course: YEAR 1

Topic 1: Cell Biology

Topic 2: Molecular Biology

Topic 3: Genetics

Topic 5: Evolution

Topic 7: Nucleic acids

Topic 8: Metabolism, cell respiration, and photosynthesis

Topic 10: Genetics and Evolution

Group 4 project

Examine the pacing of the content in the course: YEAR 2

Topic 4: Ecology

Topic 5: Biodiversity

Topic 9: Plant Biology

Topic 11: Animal Physiology

Option C: Ecology and Conservation

Internal Assessment

Papers 1,2, and 3

Internal Assessments (IAs) and External Assessments

Group 4 project- 10 hours

Internal assessment- 10 hours

Paper 1- SL:.75 hours and HL : 1 hour

Paper 2- SL:1.25 hours and HL: 2.25 hours

Paper 3- SL: 1 hour and HL: 1.25 hours

Questions?

Index Card:

please include your contact info

Online form:

Type the link in your browser or scan the QR code

bit.ly/SciNight19



For more information on enrolling your student in this course, please contact the Counselor and/or the Science Department Resource Teacher at your high school.