

# 1 IB Back-to-School Night

WELCOME!



# Meeting Program

| 5:45 | IB Coordinator & Professeur Principal  |
|------|--|
| 5:55 | DP Core (EE)                           |
| 6:00 | English A Literature                   |
| 6:05 | French A & B<br>Spanish B              |
| 6:15 | Individuals & Societies (Econ & GloPo) |
| 6:25 | Sciences (Bio, Chem & Physics)         |
| 6:35 | Math AA & AI                           |
| 6:40 | Arts (Visual Arts)                     |
| 6:45 | DP Core (TOK)                          |
| 6:50 | END                                    |



# Professeure principale

Vanessa Robey







# Contents

- 1. Role of the *professeure principale*
- 2. <u>Lists of courses and teachers</u>
- 3. <u>IB DP requirements</u>
- 4. <u>Class schedule</u>
- 5. <u>IB Bilingual</u> and <u>Advanced Bilingual</u> Diplomas

- 6. <u>Assessment</u>
- 7. <u>Mark your calendars</u>
- 8. <u>Teacher Contact Information</u>
- 9. <u>Resources</u>



# Role of the *professeure principale*

- To be the normal channel of communication between the administration and the students.
- To establish a first point of contact with the families of our students.
- To monitor students' progress and achievements and guide them in their academic choices.
- To offer students opportunities for dialogue and support them in their experience at school.

Please note that, unlike homeroom teachers in most American schools, "professeurs principaux" do not record directly students' absences. For security reasons, parents need to inform the Vie Scolaire of their child's absence: viescolaire@rochambeau.org





Remember to bookmark this Padlet.

This is where you can find our calendar, our presentations, the statistical bulletin, and other information



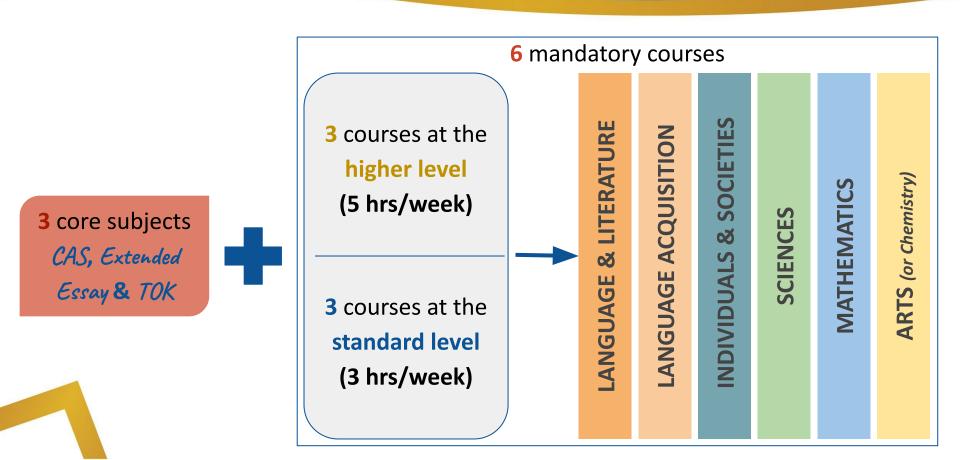
# Courses & Teachers



| GROUPS             | SUBJECTS                                   | SL   | HL      | LANG | TEACHERS                    |
|--------------------|--|--|---------|------|-----------------------------|
| Comp               | THEORY OF KNOWLEDGE                        |  |         | ENG  | JL. Bouyeure                |
| Core               | EE & CAS                                   | WLEDGE         ENG         JL. Bouyer           ENG         T. King           datory)         X         X         ENG         C. Cakou           & LIT (instead of French B)         X         FR         J. Color           X         X         FR         V. Moriss           X         X         SPA         A. Martin           S         X         X         ENG         W. Perc           X         X         ENG         C. Lassu           X         X         FR         L. Kan           X         X         ENG         J. Abou-Halloun           X         X         ENG         V. Robe           A         X         X         ENG         G. Nichol | T. King |      |                             |
| 1                  | ENGLISH LIT (mandatory)                    | Х  | Х       | ENG  | C. Cakouros                 |
| 1                  | FRENCH A LANG. & LIT (instead of French B) | Х  |         | FR   | J. Colom                    |
| 2                  | FRENCH B                                   | Х  | Х       | FR   | V. Morisset                 |
| Instead of Group 6 | SPANISH B                                  | Х  |         | SPA  | A. Martinez                 |
| 3                  | GLOBAL POLITICS                            | Х  | Х       | ENG  | W. Percy                    |
| 3                  | ECONOMICS                                  | X  | Х       | ENG  | C. Lassus                   |
| 4                  | BIOLOGIE, or                               | Х  | Х       | FR   | L. Kanj                     |
| 4                  | PHYSICS                                    | Х  | Х       | ENG  | J. Abou-Halloun & D. Fradet |
| Instead of Group 6 | CHEMISTRY                                  | X  | Х       | ENG  | V. Robey                    |
| -                  | MATHEMATICS AA                             | Х  | Х       | ENG  | G. Nicholson                |
| 5                  | MATHEMATICS AI                             | Х  | Х       | ENG  | K. Touré                    |
| 6                  | VISUAL ARTS                                | Х  |         | FR   | H. Angoulvant               |

# IB DP Requirements











# Class schedule

| _1                      | lur  | ndi   | ma  | ardi   |   | mer  | credi                        |   |   | jeudi                                     |   | ven  | dredi  |
|-------------------------|--|---|---|--|---|------|------------------------------|---|---|---|---|--|--|
| 7h30                    |  |   |   |  |   |      |                              |   |   |   |   |  |  |
| 8h30<br>9h30            | THEORY OF P<br>BOUYE<br>L-107,   | URE J.<br>Forest  | NICHOLSON G. [1-IBDP MATH AA EDT]  A-110  Forest            | MATH APPLI. & INTERP. TOURE K. [1-IBDP MATH AI EDT] L-201 Forest         | FRENCH A HL: LANGUAGE & COLON J. [1-80P FRENCH A L-101 Forest |      | MOR<br>(1-1                  | L: LANGUAGE ACQUISITION<br>ISSET SCHUSTER V.<br>BOP FRENCHIS H.L.<br>ISCO (Annexe CDQ<br>Forest | MATHANA, & APP NICHOLSON [1-IBDP MATH AV A-111 Forest ENGLISH A | G. AEDT] [1-8  : LANGUAGE & I CAKOUROS C. | TOURE K. DP MATH ALEDT L-201 Forest LITERATURE    | PHYSICS HL ABOU-HALLOUN J. [1-IBDP PHYSICS HL] L-LABOS Forest    | BIOLOGY HL<br>KANJ L.<br>[1-IBDP BIO HL]<br>Forest     |
| 10h20<br>10h40          | ENGLISH A: LANGU<br>CAKOU<br>L-1<br>For  | ROS C.<br>01  | FRENCHA: LANGUAGE & LITERATURE COLONA! II-BOP FRENCH A EDTI | FRENCH B: LANGUAGE ACQUISITION MORISSET SCHUSTER V. [1-80P FRENCH B EDT] | PHYSICS HL<br>ABOU-HALLOUN J.<br>[1-IBDP PHYSICS HL]          | FRAE | SICS<br>DET D.<br>TYSICS SL) | BIOLOGY<br>KANJ L.<br>(1-IBDP BIO EDTI  | VISUAL ARTS<br>ANGOULVANT H.<br>II-BOP VISUAL A EDIT            | CHEMISTRY ROBEYV.                         | DP SPAN B EDT<br>MARTINEZ A.<br>(1-BDP SPAN B EDT | MATH ANA. & APPROACH, HL NICHOLSON G. 11-IBDP MATH AA HLI        | MATH APPLI. & INTERP. HL. TOURE K. [1-IBDP MATH AI HL] |
| 11h35                   |  |   | (1-BDP FRENCH A EDT) L-101 Forest                           | (1-BDP FRENCH B EDT)  A-BCD (Annexe CDI)  Forest                         | L-LABOS Forest  | L-LA |                              | L-LABOS<br>Forest   | CARTS Forest  | L-LABOS<br>Forest                         | A-112 Forest                                      | A-110<br>Forest  | L-201 Forest   |
| 12h30                   | PHYSICS HL PHYSICS HL ABOU-HALLOUN J. FRAD I1-IBDP PHYSICS HL] [1-IBDP PHYSICS HL] L-LABOS L-LA Forest For | YSICS SL] [1-IBDP BIO EDT]  FOS L-LABOS   |   |  |   |      |                              |   |   |   |   |  |  |
| 13h30<br>14h00          | FRENCH A: LANGUAGE & LITERATURE COLOM J. [1-IBDP FRENCH A EDT] L-101 Forest                                | FRENCH B: LANGUAGE ACQUISITION MORISSET SCHUSTER V.  [1-IBDP FRENCH B EDT] A-BCD (Annexe CD) Forest | CAS / Exter   | nded essay<br>G T.   | ECONOMICS<br>LASSUS C<br>[1-80P ECON E<br>L-101<br>Forest     |      | 1                            | BAL POLITICS PERCY W. P GLOPO EDT] Forest   |   | LANGUAGE &                                | LITERATURE  | ANGOULVANTH ROB<br>[1-BDP VISUAL A EDT] [1-IBDP C<br>C-ARTS L-LA | DP SPAN B EDT MARTINEZ A. HEM EDT] LBOS A-112 Forest   |
| 14h30<br>15h20<br>15h40 | ECONOMICS  LASSUS C.  I1-IBDP ECON EDTI  | GLOBAL POLITICS PERCY W. [1-IBDP GLOPO EDT]   | A-<br>Foi   |  | ECONOMIC<br>LASSUS  |      | F                            | AL POLITICS HL<br>PERCY W.<br>DP GLOPO HLI  |   | A-111<br>Forest                           |   | ROB  | CLASSE<br>EY V.<br>,Forest                             |
| 16h00                   | L-101<br>Forest  | C-14<br>Forest  | CHEMIS<br>ROB<br>[1-IBDP C                                  | EY V.  | L-101<br>Forest   |      | (r-ibt                       | C-16<br>Forest  |   | BOUYEURE J<br>L-107,Forest                |   |  |  |
| 16h35                   |  |   | L-LA<br>For   | BOS  |   |      |                              |   |   |   |   |  |  |
| 171125                  |  |   |   |  |   |      |                              |   |   |   |   |  |  |

28 or 30 hours of IB class + 1 hr VDC

Compared to **30** (no BFI, no elective) to **39** (with BFI, elective) hours in the French Bac 1ère

The IB program makes more time for *independent* study, reflection & service



# What we expect from students:



- To attend class everyday and be on time;
- To respect oneself, others, and the staff at all time;
- To respect others' property;
- To put one's best effort;
- To arrive prepared in class (homework, material...);
- To follow directions given by teachers and staff members;
- To pay attention, participate and ask questions;
- To preserve a clean and positive learning environment inside and outside the classroom;
- To take responsibility for their actions.



### **Basic class rules**

- Food, drinks are not permitted in class;
- Phone and smart watches are not permitted in class and should stay in lockers. Phones and watches in classroom will be confiscated for the duration of the day (exceptions for students with medical issues);
- Hat and hoodies and earbuds must be removed when entering the buildings;
- The use of Chromebooks (Middle School) and personal computers (High school) must be limited to class work.
- Students are encouraged to go to the bathroom before and after class.

# IB Bilingual Diploma



The IB Bilingual Diploma is a version of the IB Diploma. It is awarded to candidates who demonstrate language proficiency in two different languages.

There are two different ways to obtain a Bilingual Diploma:

-Completion of two languages

from group 1(Language A
subjects)

-scoring a **3** or higher in both.

=> **ENG A + FR A** 

OR

-Completion of one of the subjects from group 3 or 4 in a language that is not the same as the group 1 language
-scoring a 3 or higher in both the group 1 language and the group 3 or 4 subject.

=> ENG A + FR B + BIOLOGY

The "regular" IB Diploma only requires students to take a second language from group 2, and the other subjects will be in the group 1 language.

# IB Advanced Bilingual Diploma



Started as a pilot program at three French schools in North America and officialized in 2018, the IB Advanced Bilingual Diploma is another version of the IB Diploma and the result of the collaboration between the IBO and the Mission Laïque Française.

To be eligible, students must:

Study *two languages from*group 1(language A subjects)
scoring a 4or higher in both.

AND

Study at least one subject from group 3, 4, 5 or 6 in each of the group 1 languages, scoring no grades below 4 in all subjects\*.

=> ENG A + FR A + BIOLOGY OR VISUAL ARTS

Encouraged (but not required): to write the TOK essay and EE in two different languages.

\*If a student scores one grade below 4, but still meets the requirements for the Bilingual Diploma, they receive a Bilingual Diploma instead.



Courses are designed to prepare students with the knowledge and skills needed for successful attainment of IB standards on formal IB assessments.

Each subject offered in the IB Diploma has *specific criteria, internal* **assessments and methods of grading.** Assessment tasks vary according to subjects and the relevant IB subject guide regulations.

IB teachers use the *IB markschemes and corresponding grading scales* in their IB courses when providing feedback on most student work.



### Recorded on transcripts according to a specific conversion chart

At the end of each trimester, IB students will be issued **report cards**.

The report cards will show the gross average (rounded **up** to the nearest tenth) of the trimester's grades in each subject on the IB grading scale of 1 to 7.

These cumulative marks indicate a student's ACHIEVEMENT (thus far in the course) in meeting specific learning goals as measured by IB assessment rubrics and their PROGRESS towards the mastery of the skills assessed by the exam criteria.





### **Rochambeau IB Grade Conversion Chart**

| Transcript<br>Value | IB SL Scores | IB HL Scores | Transcript<br>Value |
|---------------------|--------------|--------------|---------------------|
| A+                  | 7-6.2        | 7-6          | A+                  |
| Α                   | 6.1-5.5      | 5.9-5.2      | Α                   |
| A-                  | 5.4-5.1      | 5.1-4.7      | A-                  |
| B+                  | 5.0-4.7      | 4.6-4.3      | B+                  |
| В                   | 4.6-4.3      | 4.2-4.0      | В                   |
| B-                  | 4.2-4.0      | 3.9-3.6      | B-                  |
| C+                  | 3.9-3.6      | 3.5-3.3      | C+                  |
| С                   | 3.5-3.3      | 3.2-3.0      | С                   |
| C-                  | 3.2-3.0      | 2.9-2.6      | C-                  |
| D+                  | 2.9-2.6      | 2.5-2.3      | D+                  |
| D                   | 2.5-2.3      | 2.2-2.0      | D                   |
| D-                  | 2.2-2.0      | <2           | D-                  |
| E                   | <2           | >1           | E                   |





**ROCHAMBEAU** THE FRENCH INTERNATIONAL SCHOOL

### **Approaches To Learning (ATL)** Developed and assessed across all the subjects of the program

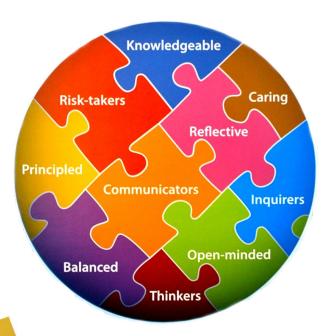








# The IB Learner Profile



The aim of all IB programmes is to develop internationally minded people who, recognizing their common humanity and shared quardianship of the planet, help to create a better and more peaceful world.

### As IB learners we strive to be:

### **INQUIRERS**

We nurture our curiosity, developing skills for inquiry and research. We know how to learn independently and with others. We learn with enthusiasm and sustain our love of learning throughout life.

### KNOWLEDGEABLE

We develop and use conceptual understanding, exploring knowledge across a range of disciplines. We engage with issues and ideas that have local and global significance.

### **THINKERS**

We use critical and creative thinking skills to analyse and take responsible action on complex problems. We exercise initiative in making reasoned, ethical decisions.

### **COMMUNICATORS**

We express ourselves confidently and creatively in more than one language and in many ways. We collaborate effectively, listening carefully to the perspectives of other individuals and groups.

### **PRINCIPLED**

We act with integrity and honesty, with a strong sense of fairness and justice, and with respect for the dignity and rights of people everywhere. We take responsibility for our actions and their consequences.

### **OPEN-MINDED**

We critically appreciate our own cultures and personal histories, as well as the values and traditions of others. We seek and evaluate a range of points of view, and we are willing to grow from the experience.

### **CARING**

We show empathy, compassion and respect. We have a commitment to service, and we act to make a positive difference in the lives of others and in the world around us.

### **RISK-TAKERS**

We approach uncertainty with forethought and determination; we work independently and cooperatively to explore new ideas and innovative strategies. We are resourceful and resilient in the face of challenges and change.

### **BALANCED**

We understand the importance of balancing different aspects of our lives—intellectual, physical, and emotional—to achieve well-being for ourselves and others. We recognize our interdependence with other people and with the world in which we live.

### REFLECTIVE

We thoughtfully consider the world and our own ideas and experience. We work to understand our strengths and weaknesses in order to support our learning and personal development.

The IB learner profile represents 10 attributes valued by IB World Schools. We believe these attributes, and others like them, can help individuals and groups become responsible members of local, national and global communities.



# Important Info (T1)



### **Conseils de classe Trimester 1**

• End of the Trimester: November 22 Conseils de Classe: Week of December 2

### **Delegate elections**

Week of October 7



### **Parent-Teachers Conferences**

- Q&A for 1ère parents: November 6
- Information Meeting about the EE & IAs:
   Tuesday 17 December

### **Vacations and holidays**

- Labor Day: September 2nd
- Fall Break: October 21-25
- Thanksgiving Break: November 27-29



### **Teacher Contact Information**

| J. Abou-Halloun | abou-hallouni@rochambeau.org | C. Lassus     | lassusc@rochambeau.org               |
|-----------------|------------------------------|---------------|--------------------------------------|
| JL. Bouyeure    | bouyeurej@rochambeau.org     | A. Martinez   | martineza@rochambeau.org             |
| C. Cakouros     | cakourosc@rochambeau.org     | V. Morisset   | morissetschusterv@rochambe<br>au.org |
| J. Colom        | colomi@rochambeau.org        | G. Nicholson  | nicholsong@rochambeau.org            |
| D. Fradet       | fradetd@rochambeau.org       | W. Percy      | percyw@rochambeau.org                |
| L. Kanj         | kanjl@rochambeau.org         | V. Robey (PP) | robeyv@rochambeau.org                |
| T. King         | kingt@rochambeau.org         | K. Touré      | tourek@rochambeau.org                |
|                 |                              | A. Martinez   | martineza@rochambeau.org             |

S. Percy, IB Coordinator <a href="mailto:percys@rochambeau.org">percys@rochambeau.org</a>



# Resources

- Textbooks: <a href="https://www.rochambeau.org/academics/24-25/high-school">https://www.rochambeau.org/academics/24-25/high-school</a>
- Presentation of the IB Program: <a href="https://www.rochambeau.org/academics/ib-project">https://www.rochambeau.org/academics/ib-project</a>
- School Academic Integrity Policy: <a href="https://bit.ly/3k2W6XB">https://bit.ly/3k2W6XB</a>
- Students Learning Support: <a href="https://www.rochambeau.org/academics/student-support">https://www.rochambeau.org/academics/student-support</a>
- IBO: <a href="https://www.ibo.org">https://www.ibo.org</a>





# **IB** Core

Extended Essay & CAS

Mr. King





# CAS = A collection of enjoyable & challenging experiences determined by students to extend their abilities.

### Creativity

Exploring and extending ideas leading to an original or interpretive product or performance.

E.g. Performing in a play or coding a video game

### Action

Physical exertion contributing to a healthy lifestyle.

E.g. Training for and running in a 10k race or joining a dance studio

### **Service**

Collaborative & reciprocal engagement with the community in response to an authentic need.

E.g. Tutoring students or organizing an environmental clean up



# CAS - Creativity, Action, Service

### 7 Learning Objectives and the CAS Portfolio

Students must show evidence of achieving and reflecting upon the 7 learning outcomes over the 18 months (minimum) of CAS.

- Personal growth
- Personal challenge
- Planning
- Perseverance
- Collaboration
- Global significance
- Ethics



# CAS - What is a CAS experience?

- A CAS experience is a specific event in which the student engages with one or more of the three CAS strands.
  - It can be a single event or an extended series of events.
- A CAS project is a collaborative series of sequential CAS experiences lasting at least <u>one</u> month.
  - Students must do at least 1 CAS project during the DP.





# The Extended Essay (EE)

The EE is a 4000 word formal research essay.

- Students conduct independent, original research
  - Evaluating a variety of reliable sources
    - Citing and referencing is part of the assessment
  - Students choose their own topic and research question
    - In approved IB subject area (HL is encouraged)
- Guidance from EE supervisor throughout the research and writing process
  - Subject specialist
  - Limited to non-editorial advice
  - 3 formal meetings to discuss, reflect and record progress





# Group 1 Studies in Language and Literature



# ENGLISH A Literature SL & HL

Ms. Cakouros





In English A: Literature, students will explore elements of *language*, *literature and* performance and focus on:

- the relationships between readers, writers,
   and texts
- the range and functions of texts across geographical space and historical time
- aspects of intertextuality and relating works to each other across periods and places.

### **7 Course Concepts**

Identity

Culture

Creativity

Communication

Perspective

**Transformation** 

Representation







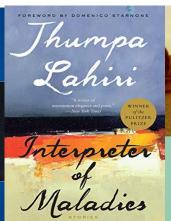


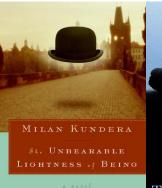
### NARRATIVE OF THE LIFE OF FREDERICK DOUGLASS

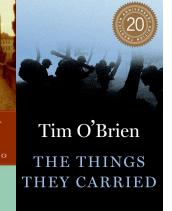
The Original 1845 Edition (The Autobiography Classics Of Frederick Douglass)



FREDERICK DOUGLASS











- Students may want to consider taking <u>HL</u> English A, unless students do not have the language profile for this class.
- Because students will be in English for all hours due to Maryland guidelines for the high school diploma, students will be doing the work for the assessment preparation. Therefore, it makes sense to select HL for this course if possible.\*
- Please come see myself or Mrs. Percy if there are any questions regarding ability and English skill level, and we will be happy to answer any and all questions.

\*further explanation on the next slide







### Assessment at a glance

| Type of                                    |  |      | me<br>urs) | Weighting<br>of final<br>grade (%) |    |  |
|--|--|------|------------|------------------------------------|----|--|
| assessment                                 | Format of assessment   | SL   | HL         | SL                                 | HL |  |
| External                                   |  |      |            |                                    |    |  |
| Paper 1:<br>Guided<br>literary<br>analysis | Guided analysis of<br>unseen literary passage/<br>passages from different<br>text types.   | 1.25 | 2.25       | 35                                 | 35 |  |
| Paper 2:<br>Comparative<br>essay           | Comparative essay based on two literary works written in response to a choice of one out of four questions.  | 1.75 | 1.75       | 35                                 | 25 |  |
| HL essay                                   | Written coursework<br>component: 1,200–1,500<br>word essay on one work<br>studied.   |      |            |                                    | 20 |  |
| Internal                                   |  |      |            |                                    |    |  |
| Individual<br>oral                         | Prepared oral response<br>on the way that one<br>work originally written<br>in the language studied<br>and one work studied<br>in translation have<br>approached a common<br>global issue. |      |            | 30                                 | 20 |  |

### **The Learner Portfolio**

- This is an individual collection of student work compiled over the two-year course, which allows students to prepare for your assessment.
- We will consistently check-in on the portfolio together, and students are encouraged to creatively add to this portfolio to display their own engagement, reaction, and interpretation of their literature study.
- The portfolio is the student's creative project, something which will reflect their unique learning journey and literary learning process.



# FRENCH A Langue et Littérature

Mme Colom





# A very innovative approach to the study of "texts"

- we'll study a wide range of french-language literary texts from different genres, different periods and different areas as well
- We'll also use non-literary texts including advertisement and travel guides, scientific journals, movies, pictures, paintings...
- The purpose is to think about the link between the documents and the concepts of the program and also to think about the relation between these documents and the reality of the world.



# A coming to terms with a complex world and a commitment to international mindedness

- -We'll study a corpus made of works by French and French speaking authors (Maryse Conde, Annie Ernaux) as well as works in translation (G. Orwell, Aristophane).
- -students will work on highly engaging texts, speeches that have had an impact on the evolution of social attitudes.
- -They'll think about the question of identity and culture, the role of languages, of the texts in different contexts







### Assessment at a glance

| Type of                                    |  |      | me<br>urs) | Weighting<br>of final<br>grade (%) |    |
|--|--|------|------------|------------------------------------|----|
| assessment                                 | Format of assessment   | SL   | HL         | SL                                 | HL |
| External                                   |  |      |            |                                    |    |
| Paper 1:<br>Guided<br>literary<br>analysis | Guided analysis of<br>unseen literary passage/<br>passages from different<br>text types.   | 1.25 | 2.25       | 35                                 | 35 |
| Paper 2:<br>Comparative<br>essay           | Comparative essay based on two literary works written in response to a choice of one out of four questions.  | 1.75 | 1.75       | 35                                 | 25 |
| HL essay                                   | Written coursework<br>component: 1,200–1,500<br>word essay on one work<br>studied.   |      |            |                                    | 20 |
| Internal                                   |  |      |            |                                    |    |
| Individual<br>oral                         | Prepared oral response<br>on the way that one<br>work originally written<br>in the language studied<br>and one work studied<br>in translation have<br>approached a common<br>global issue. |      |            | 30                                 | 20 |

Learner Portfolio
(as presented previously
for English A)





# Group 2 Language Acquisition



# FRENCH B SL & HL

Mme Morisset Schuster





# Specificity of French B

- Learning the language and the culture
- No literature in SL (vs. French A)

### French B HL

- Same core curriculum
- 2 complete pieces of literature in HL
- In-depth study of all themes (HL)
- 5 hrs/week (HL) vs. 3 hrs/week (SL)



## Curriculum

## **Five prescribed themes:**

**Identities:** Self, what is it to be human?

**Experiences:** Stories that shape our lives

**Human ingenuity:** Creativity and innovations

that shape our world

**Social organization:** *Human organizations* 

**Sharing the planet:** Challenges and

opportunities we face

## **Examples of exploration**

#### Year 1

- Daily well-being: what is "well being" depending to different cultures?
- Identities: how can I describe myself?
- Where do I come from ? Customs & traditions
- Migrations: being a foreigner in a French-speaking country

#### Year 2

- Languages and identities
- Back to nature
- Living in a city







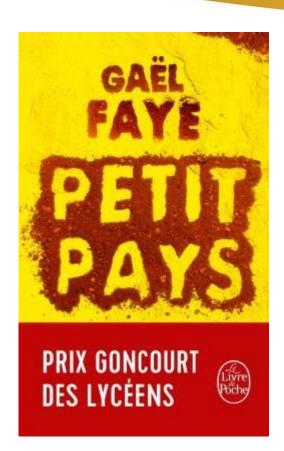


| Assessment component  | Weighting |  |  |  |
|---|-----------|--|--|--|
| External assessment (3 hours)   | 75%       |  |  |  |
| Paper 1 (1 hour 15 minutes)   | 25%       |  |  |  |
| Productive skills—writing (30 marks)  |           |  |  |  |
| One writing task of 250–400 words from a choice of three, each from a different     |           |  |  |  |
| theme, choosing a text type from among those listed in the examination              |           |  |  |  |
| instructions.   |           |  |  |  |
| Paper 2 (1 hour 45 minutes)   | 50%       |  |  |  |
| Receptive skills—separate sections for listening and reading (65 marks)             |           |  |  |  |
| Listening comprehension (45 minutes) (25 marks)                                     | 25%       |  |  |  |
| Reading comprehension (1 hour) (40 marks)   |           |  |  |  |
| Comprehension exercises on three audio passages and three written texts, drawn      |           |  |  |  |
| from all five themes.   |           |  |  |  |
| Internal assessment   | 25%       |  |  |  |
| This component is internally assessed by the teacher and externally moderated by    |           |  |  |  |
| the IB at the end of the course.  |           |  |  |  |
| Individual oral assessment  |           |  |  |  |
| A conversation with the teacher, based on a visual stimulus, followed by discussion |           |  |  |  |
| based on an additional theme. (30 marks)  |           |  |  |  |











**ONLY FOR** HL





# Alternative to Group 6

Spanish B SL Sra. Martínez





# Language Acquisition Aims

- Develop international-mindedness through the study of languages, cultures, and ideas and issues of global significance.
- Enable students to communicate in the language they have studied in a range of contexts and for a variety of purposes.
- Encourage, through the study of texts and through social interaction, an awareness and appreciation of a variety of perspectives of people from diverse cultures.
- Develop students' understanding of the relationship between the languages and cultures with which they
  are familiar.
- Develop students' awareness of the importance of language in relation to other areas of knowledge.
- Provide students, through language learning and the process of inquiry, with opportunities for intellectual engagement and the development of critical- and creative-thinking skills.



## Curriculum Overview and Assessment Model

The curriculum is organized around five prescribed themes with which the students engage though written, audio, visual and audio-visual texts. Students develop into successful, effective communicators by considering the conceptual understandings of context, audience, purpose, meaning and variation.

Communication is evidenced through receptive, productive and interactive skills.

#### **Assessment model**

The language acquisition assessment objectives:

- Communicate clearly and effectively in a range of contexts and for a variety of purposes.
- Understand and use language appropriate to a range of interpersonal and/or intercultural contexts and audiences.
- Understand and use language to express and respond to a range of ideas with fluency and accuracy.
- Identify, organize and present ideas on a range of topics.
- Understand, analyse and reflect upon a range of written, audio, visual and audio-visual texts.



## **Content Outline**

| Theme                  | Guiding principle  |  |  |  |
|------------------------|--|--|--|--|
| Identities             | Explore the nature of the self and what it is to be human.   |  |  |  |
| Experiences            | Explore and tell the stories of<br>the events, experiences and<br>journeys that shape our lives.                       |  |  |  |
| Human<br>ingenuity     | Explore the ways in which human creativity and innovation affect our world.  |  |  |  |
| Social<br>organization | Explore the ways in which groups of people organize themselves, or are organized, through common systems or interests. |  |  |  |
| Sharing the<br>planet  | Explore the challenges and opportunities faced by individuals and communities in the modern world.                     |  |  |  |

Lifestyles, health and well-being

Holidays and travel, customs and traditions

Entertainment, artistic expressions

Community, social engagement

The environment, urban and rural environment





# Group 3 Individuals & Societies



# **ECONOMICS**

Mme Lassus Ph.D





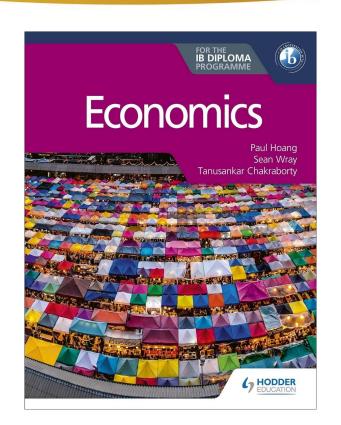
## **Program: 4 units in two years:**

**Unit 1: Introduction** 

**Unit 2: Microeconomics** 

**Unit 3: Macroeconomics** 

Unit 4: The global economy





# **ECONOMICS**

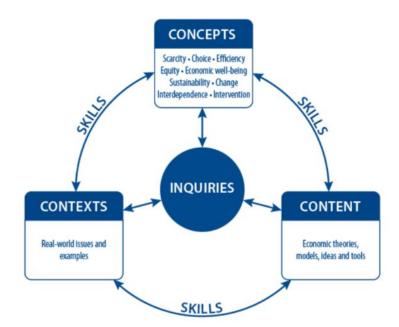
### 6 Real word issues

- How do consumers and producers make choices in trying to meet their economic objectives?
- When are markets unable to satisfy important economic objectives— and does government intervention help?
- Why does economic activity vary over time and why does this matter?
- How do governments manage their economies and how effective are their policies?
- Who are the winners and losers of the integration of the world's economies?
- Why is economic development uneven?



# **ECONOMICS**

An Approach to Teaching (ATL) based on practical cases studies





## **Unit 2: Microeconomics syllabus**

- 2.1 Demand 2.2 Supply
- 2.3 Competitive Market Equilibrium
- 2.4 Critique of the Maximizing Behaviour of Consumers and Producers
- 2.5 Elasticity of Demand
- 2.6 Elasticity of Supply
- 2.7 Role of Government in Microeconomics
- 2.8 Market Failure--Externalities and Common Pool or Common Access Failures
- 2.9 Market Failure--Public Goods

(HL ONLY) 2.10 Market Failure--Asymmetric Information 2.11 Market Failure--Market Power 2.12 The Market's Inability to Achieve Equality



## **Unit 3: Macroeconomics syllabus**

- 3.1 Measuring Economic Activity and Illustrating its Variations
- 3.2 Variations in Economic Activity—Aggregate Demand and Aggregate Supply
- 3.3 Macroeconomic Objectives
- 3.4 Economics of Inequality and Poverty
- 3.5 Monetary Policy
- 3.6 Fiscal Policy
- 3.7 Supply-Side Policies



## 2024-2025 goals:

Econ is a new subject for almost all the students from the group. IB Econ is a demanding course that requires a lot of personal work (particularly at the beginning): working with the textbook AND keeping up with current economic events.

Each chapter is given in class and students work directly on it to avoid too much time on the screen (the chapters are also posted on classroom): review cards each week are mandatory.

- 1. Get familiar with final exams format:
- a. Paper 1 (2 small essays): method must be perfectly mastered at the end of the year (= 5 papers this year).
- b. Paper 2 (exercices, calculation and one small essay): no test in micro but in macro (May).
- c. Paper 3 HL (quantitative and qualitative questions, recommandation policy): end of the year.

## 2024 -2025 goals:

- 2. Internal assessment in Micro will start in december, once the methodology is learned (3 IA in two years)
- 3. Each student will be responsible to post and sum up econ articles related to the course. (SHARE DRIVE with articles' sources + short summary)
- 4. Behavior: works and focus in class to avoid too much homework. Participation is key to get familiar with economic terms and concepts.



# **GLOBAL POLITICS**

Mr. Percy





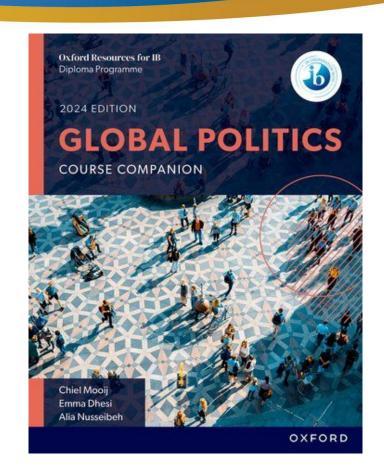


## IB Global Politics Curriculum

Global Politics is an "Individuals and Societies" humanities course that combines:

- --academic study
- --investigative and critical thinking
- --analysis skills

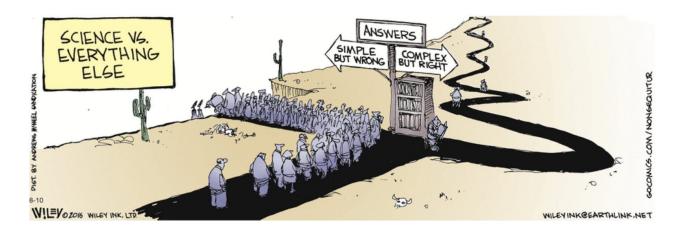
using the IB GP textbook and multiple media sources and handouts.





## IB Global Politics Curriculum

• IB GloPo engages students in a number of case studies, helps them form their own perspectives, has them participate in key debates on a variety of issues, and develops their international mindedness.









## IB Global Politics Curriculum

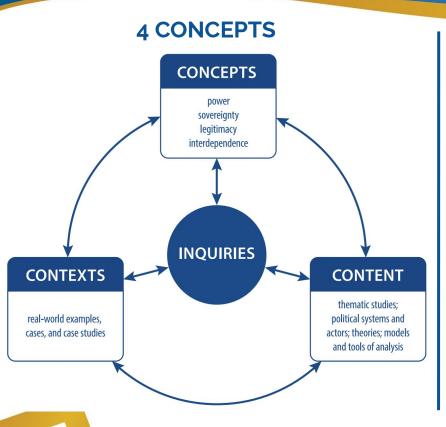
- Students choose their own case studies for the PEA (Political Engagement Activity) and Global Challenge assignments.
- They also will analyze and engage in other (required) case studies in the 4 Key Concepts over the course of 2 years....such as the war in Ukraine, the lead-up to the 2024 US election, climate change, human rights abuses, voter suppression, etc.



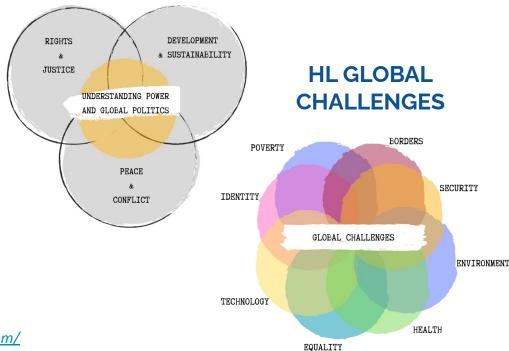








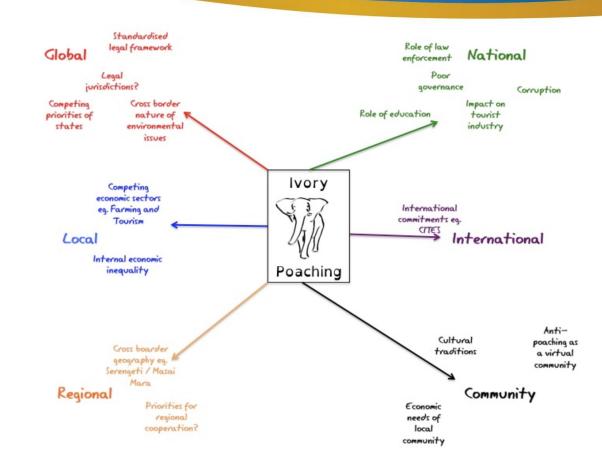
# THEMATICAL STUDIES



Sources: IB Guide & <a href="https://glopoib.wordpress.com/">https://glopoib.wordpress.com/</a>



...analyzed at different scales





## Course Presentation Diploma Program 2024-2026

### The IB Global Politics Program (HL and SL)

- > Teaching in English, 3 hours per week--SL or 5 hours per week--HL.
- > 130 Hours of teaching on the 4 Key Concepts over 2 years (HL and SL).
- > 20 Hours on a *Political Engagement Activity* (HL and SL).
- Solely for HL, this year will see the start of a new Paper 3
- Intensive practice of internal and external assessments.
- The course is demanding in terms of depth of knowledge and understanding and quality of writing: keeping up with the NEWS & READING outside of class is key.







# Curriculum

|  | Teachi | Teaching hours |  |
|--|--------|----------------|--|
| Syllabus component   |        | HL             |  |
| Core Understanding power and global politics   | 125    | 125            |  |
| <ul> <li>Thematic studies</li> <li>Rights and justice</li> <li>Development and sustainability</li> <li>Peace and conflict</li> </ul> |        |                |  |
| Internal assessment Engagement project   | 25     | 35             |  |
| HL extension: global political challenges  | -      | 80             |  |
| Total  | 150    | 240            |  |







## **Assessment**

| Type of              |  | Time (hours) |      | Weighting of final grade (%) |    |
|----------------------|--|--------------|------|------------------------------|----|
| assessmen            | t Format of assessment   | SL           | HL   | SL                           | HL |
| External             |  | 2.75         | 4.25 | 70                           | 80 |
| Paper 1              | Source-based questions<br>that address topics from the<br>global politics core in an<br>integrated way | 1.25         | 1.25 | 30                           | 20 |
| Paper 2              | Extended response questions based on prescribed content from the thematic studies                      | 1.5          | 1.5  | 40                           | 30 |
| Paper 3<br>(HL only) | Stimulus-based questions related to the HL extension syllabus (global political challenges)            | -            | 1.5  | -                            | 30 |
| Internal             |  | 25           | 30   | 30                           | 20 |
| Engageme<br>project  | nt A written report on a political issue explored through engagement and research                      | 25           | 30   | 30                           | 20 |





# Group 4 Sciences



# Biology SL & HL

Mme Kanj

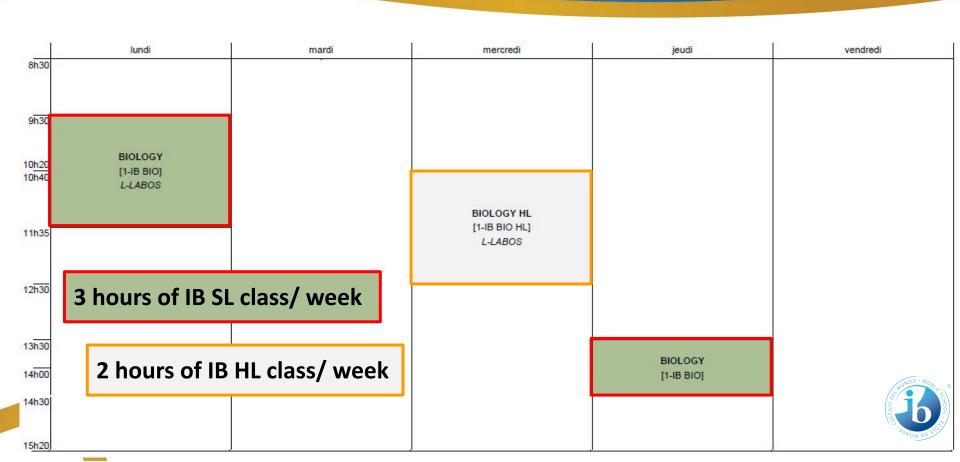


# Class schedule IB Biology SL & HL







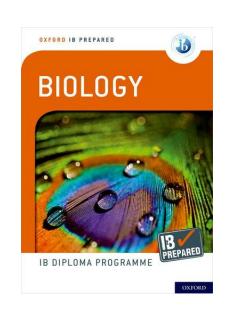




# IB COURSE PRESENTATION

## The IB Biology Program

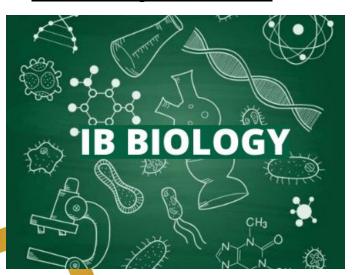
- 150 HOURS for SL and 240 HOURS for HL of Class over 2 years including:
  - Lessons and Practical Activities (Lab experiments)
  - Group 4 Project (Multidisciplinary project)
  - IA (Individual investigation)
- 1. Extended Essay, Final exam





# **Biology**

is an **experimental science** that combines <u>academic study</u> with the acquisition of <u>practical</u> and investigational skills.



In the IB program, the approach to Biology seeks to:

- Engage students with critical study.
- Help students form their own views and engage with key debates (environment, climate changes, bioethics..)
- Develop international-mindedness.

Student-centered approach to learning with a focus on critical thinking and analytical skills.



## Good to know

- Teaching is in French

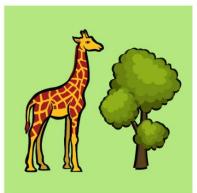
## The Course outline

4 Core themes:

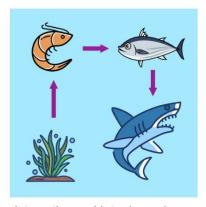
#### **Themes**



Unity and Diversity



Form and Function



Interaction and Interdependence



Continuity and Change







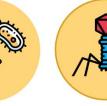
#### A: Unity and Diversity





Cell ▼





Water

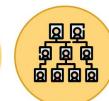
Nucleic Acids

Origin of Cells

Cell Structure

Viruses

Organism ▼









Diversity

Classification

Evolution

Conservation

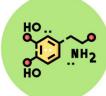






#### **B:** Form and Function

#### Molecule ▼





Cell ▼



Sugars / Lipids

**Proteins** 

Membranes

Organelles

Specialisation





Ecosystem ▼











Gas Exchange

Transport

Motility

Environment

**Niches** 







### C: Interaction and Interdependence















Enzymes

Respiration

Photosynthesis

Signalling

Nerves



Ecosystem ▼









Integration

**Immunity** 

Populations

**Transfers** 







#### **D: Continuity and Change**

Molecule ▼

Cell ▼







Translation



Mutation



Cell Division



Expression



Water Potential

Organism ▼

Ecosystem ▼



Reproduction



Inheritance



Homeostasis



Selection



Stability



Climate Change



### **Assessment**

### Internal:

Google Forms

In class formative assessment

In class summative assessment (2 or 3 by trimester..)

IA (Individual Investigation): 6-12 pages 20% of Grade

The internal assessment (individual scientific investigation) has been scheduled for the end of term 1 of the second year of study. It is expected that by this point students will have had sufficient time to develop the requisite skills, while still being early enough to accommodate unexpected incursions.



# **Collaborative Sciences Project (Multidisciplinary project)**

- Collaborative Sciences Project
- Group Project (10 hours)
- Completed mostly during vie de classe



The Collaborative Sciences Project has been scheduled for the end of the first year of study as this is most likely to be the time when the timetable will have suitable flexibility to allow for the cooperative participation of students from the different scientific disciplines (i.e. Biology, Chemistry, Physics).







### **Final Examinations**

| Level | vel Paper Marks |   | Time   | Content   |   |
|-------|-----------------|---|--|---|---|
|       | 1A              | 30  | FF (2C0/)  | 00 :  | 30 multiple-choice questions on standard level material                     |
| CI.   | 1B              | 25  | 55 (56%)   | 90 min  | Four data-based questions related to experimental work and the syllabus     |
| SL    | 2 – Section A   | 34  | EO (449/)  | 90 min  | Data-based question and short-answer questions on standard level material   |
|       | 2 – Section B   | Approximate the second of the | 50 (44%)   |   | Extended-response questions on standard level material (one of two options) |
|       | 1A              | 40  | 75 (2001)  | 120   | 40 multiple-choice questions on SL and AHL material                         |
| HL    | 1B              | 35  | 55 (36%) 90 min Four day  50 (44%) 90 min Extend  0 75 (36%) 120 min Four day  8 80 (44%) 150 min Data-b | Four data-based questions related to experimental work and the syllabus |   |
| I IIL | 2 – Section A   | 48  | 90 (449/)  | 150 min   | Data-based question and short-answer questions on SL and AHL material       |
|       | 2 – Section B   | 32  | 80 (44%)   |   | Extended-response questions on SL and AHL material (two of three options)   |



# Expectations



### **Expectations/Tips for success:**

- Stay organized
  - Materials
  - IA ideas
- Work in the lab SAFELY
- Review regularly
- Complete all assignments
- Communicate with teacher as needed







# Physics SL

Mr. Fradet



# Physics HL

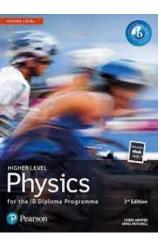
Mr. Abou-Halloun





# **The IB Physics Program**

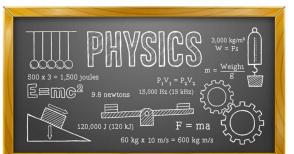
| Syllabus component                  | Teachin | g hours |
|-------------------------------------|---------|---------|
|                                     | SL      | HL      |
| Syllabus content                    | 110     | 180     |
| A. Space, time and motion           | 27      | 42      |
| B. The particulate nature of matter | 24      | 32      |
| C. Wave behaviour                   | 17      | 29      |
| D. Fields                           | 19      | 38      |
| E. Nuclear and quantum physics      | 23      | 39      |
| Experimental programme              | 40      | 60      |
| Practical work                      | 20      | 40      |
| Collaborative sciences project      | 10      | 10      |
| Scientific investigation            | 10      | 10      |
| Total teaching hours                | 150     | 240     |





### **Approach to Teaching:**

- Based on inquiry (constructivism)
- Focused on conceptual understanding
- Developed in local and global contexts
- Focused on effective teamwork and collaboration
- **Differentiated** to meet the needs of all learners
- Informed by **assessment** (formative and summative)





### **Approach to Learning:**

Aimed at developing student skills:

- Research Skills
- Communication Skills
- Thinking Skills
- Social Skills
- Self-Management Skills

| Sub-top                           | oic 3.1 – Thermal concepts   | Sub-topic 3.2 – Modelling a gas   |
|-----------------------------------|--|---|
| And the second second             | Energy/heat given/received in changing<br>an object's temperature.<br>Energy/heat given/received in changing<br>an object's phase. | $p = \frac{F}{A}$ Pressure. $n = \frac{N}{N_A}$ Number of moles of a substance. $pV = nRT$ Ideal gas law. |
| Sub-t                             | opic 6.1 – Circular motion   | Sub-topic 6.2 – Newton's law of gravitation   |
| $v = \omega r$ Ve                 | elocity of body travelling in circle.  | $F = G \frac{Mm}{r^2}$ Force experienced by 2 masses (Newton's law of gravitation).                       |
| $a = \frac{v^2}{r} = \frac{4}{r}$ | $\frac{\pi^2 r}{T^2}$ Centripetal acceleration.  | $g = \frac{F}{m}$ Field strength as experienced by a mass in the field.                                   |
| $F = \frac{mv^2}{r}$              | $= m\omega^2 r$ Centripetal force.   | $g = G \frac{M}{r^2}$ Field strength at a certain distance from body.                                     |







### **Assessment**

### Internal:

In class formative assessment (monthly, trimester..)

#### **External:**

IA (Individual Investigation): 6-12 pages

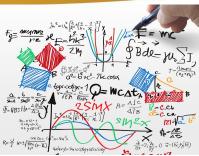
Extended Essay: Independent Research - 4000 words

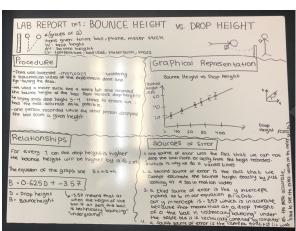
#### Final exam:

Paper 1:

Paper 1A—Multiple-choice questions
Paper 1B—Data-based questions

Paper 2: short answer/extended response ,









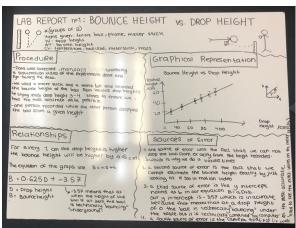


### Assessment

### Assessment at a glance

|                             |   | Time (hours) |     | Weighting of |  |
|-----------------------------|---|--------------|-----|--------------|--|
| Type of assessment          | Format of assessment  | SL           | HL  | final grade  |  |
| External                    |   | 3            | 4.5 | 80           |  |
| Paper 1                     | Paper 1A: Multiple-choice questions Paper 1B: Data-based questions  | 1.5          | 2   | 36           |  |
| Paper 2                     | Short-answer and extended-response questions  | 1.5          | 2.5 | 44           |  |
| Internal                    |   | 1            | 0   | 20           |  |
| Scientific<br>investigation | The scientific investigation is an open-<br>ended task in which the student gathers<br>and analyses data in order to answer their<br>own formulated research question. The<br>outcome of the scientific investigation will<br>be assessed through the form of a written<br>report. The maximum overall word count<br>for the report is 3,000 words. | 1            | 0   | 20           |  |









### **Expectations/Tips for success:**

- Review regularly
- Complete all assignments
- Communicate with teacher as needed
- Stay on pace and complete the reading / practice problems as assigned
- Use additional resources as needed (enhancement videos, extra practice)
- Communicate with teacher as needed

#### Coulomb's Law

|                            | Variable<br>Symbol | Unit   |
|----------------------------|--------------------|--|
| Electrostatic Force        | F                  | N  |
| Object 1 Charge            | q <sub>1</sub>     | С  |
| Object 2 Charge            | q <sub>2</sub>     | С  |
| Separation Distance        | r                  | М  |
| Coulomb Constant           | k                  | N m <sup>2</sup> C <sup>-2</sup>               |
| Permittivity of Free Space | ε <sub>0</sub>     | C <sup>2</sup> N <sup>-1</sup> m <sup>-2</sup> |

Data Booklet Equations:

 $F = k \frac{q_1 q_2}{r^2}$  $= \frac{1}{r^2} \frac{q_1 q_2}{r^2}$ 

k = 8.99 × 10<sup>9</sup> N m<sup>2</sup> C<sup>-2</sup> ε<sub>0</sub> = 8.85 × 10<sup>-12</sup> C<sup>2</sup> N<sup>-1</sup> m<sup>-2</sup>

Universal Law of Gravitation

| Milversal Law Of Gravi | tation             |                                   |
|------------------------|--------------------|-----------------------------------|
|                        | Variable<br>Symbol | Unit                              |
| Gravitational Force    | F                  | N                                 |
| Object 1 Mass          | M                  | kg                                |
| Object 2 Mass          | m                  | kg                                |
| Separation Distance    | r                  | m                                 |
| Gravitational Constant | G                  | N m <sup>2</sup> kg <sup>-2</sup> |

Data Booklet Equation:

 $F=G\frac{Mm}{r^2}$ 

G = 6.67 N m<sup>2</sup> kg<sup>-2</sup>

Force Fields

**Centripetal Force** 

### **Uniform Circular Motion**

#### Vocabulary:

| always points toward the center of motion. Measured in N. | Vt arou                       |
|---|-------------------------------|
| Radius The radius of the circular path. Measured in m.    | Centripeta<br>The (point cent |

#### Tangential Velocity

The distance the object moves around the circle over the change in time. Measured in m/s.

#### Centripetal Acceleration

The acceleration of the object (points in the same direction as the centripetal force). Measured in ms-2







### **Distinction between SL and HL**

- IB Physics students at standard level (SL) and higher level (HL) undertake a common core syllabus, a common internal assessment (IA) scheme and have some overlapping elements in the option studied.
- Students at HL are required to study some topics in greater depth, in the additional higher level (AHL) material and in the common options. The distinction between SL and HL is one of breadth and depth (demonstrate greater mastery of the topics).
- An additional 90 hours of instructional time; more rigorous final test at end of Year 2

#### Physics syllabus content overview

| A. Space, time and motion               | B. The particulate nature of matter | C. Wave behaviour                  | D. Fields                           | E. Nuclear and quantum physics |
|---|-------------------------------------|------------------------------------|-------------------------------------|--------------------------------|
| A.1 Kinematics • A.2 Forces and         | B.1 Thermal energy transfers •      | C.1 Simple harmonic motion ••      | D.1 Gravitational fields ••         | E.1 Structure of the atom ••   |
| momentum •                              | B.2 Greenhouse                      | C.2 Wave model •                   | D.2 Electric and magnetic fields •• | E.2 Quantum                    |
| A.3 Work, energy and power •            | B.3 Gas laws •                      | C.3 Wave phenomena ••              | D.3 Motion in                       | E.3 Radioactive                |
| A.4 Rigid body mechanics •••            | B.4 Thermodynamics •••              | C.4 Standing waves and resonance • | electromagnetic fields •            | decay ••<br>E.4 Fission •      |
| A.5 Galilean and special relativity ••• | B.5 Current and circuits •          | C.5 Doppler effect ••              | D.4 Induction •••                   | E.5 Fusion and stars           |
|   |                                     |                                    |                                     |                                |

- Topics with content that should be taught to all students
- •• Topics with content that should be taught to all students plus additional HL content
- ••• Topics with content that should only be taught to HL students



## **How to succeed in IB Physics:**

- Stay on pace and complete the reading / practice problems as assigned
- Use additional resources as needed (enhancement videos, extra practice)
  - Be aggressive in meeting Extended Essay timeline





# Alternative to Group 6

Chemistry Mrs. Robey



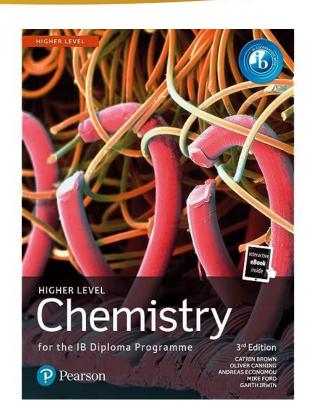


# Chemistry (SL/HL)

chemistry is an **experimental science** that combines <u>academic</u>
<u>study</u> with the acquisition of practical and investigational skills.



Student-centered approach to learning with a focus on critical thinking and analytical skills.





pair sharing reactions

| Structure refers to the nature of matter from simple to more complex forms  Structure determines reactivity, which in turn transfer |   | Reactivity Models of bonding and        |   | Structure 2.1 – The ionic model | Reactivity 2 How much, how fast and           | Reactivity 2.1 – How much? The amount of chemical change |  |
|---|---|---|---|---------------------------------|---|--|--|
|   |   | 100000000000000000000000000000000000000 |   |                                 | Structure 2.2 – The covalent model            | how far?   | Reactivity 2.2 – How fast? The rate of chemic change |
| Structure 1 Models of the particulate   | Structure 1.1 –<br>Introduction to the<br>particulate nature of<br>matter | What drives chemical                    | Measuring enthalpy<br>changes               |                                 | Structure 2.3 – The metallic model            |  | Reactivity 2.3 – How far<br>The extent of chemical   |
| nature of<br>matter   | Structure 1.2 – The nuclear atom  | reactions?                              | Reactivity 1.2 – Energy cycles in reactions |                                 | Structure 2.4 – From models to materials      |  | change   |
|   | Structure 1.3 – Electron configurations                                   |   | Reactivity 1.3 – Energy<br>from fuels       | Structure 3                     | Structure 3.1 – The                           | Reactivity 3   | Reactivity 3.1 – Proton                              |
|   | Structure 1.4 – Counting particles by mass: The                           |   | Reactivity 1.4 – Entropy and spontaneity    | Classification of matter        | periodic table:<br>Classification of elements | What are the mechanisms                                  | transfer reactions                                   |
|   | mole Structure 1.5 – Ideal gases  |   | (Additional higher level)                   |                                 | groups: Classification of organic compounds   | of chemical change?                                      | Reactivity 3.2 – Electron transfer reactions         |
|   | SL: 3 hours per week  |   | HL: 5 hours per week                        |                                 | organic compounds                             |  | Reactivity 3.3 – Electron sharing reactions          |
|   |   | )                                       |   |                                 |   |  | Reactivity 3.4 – Electro                             |

Students have a Google sheet with the calendar, resources, and links to the slides for each week.

\*\* The order of each topic and subtopic may change.



# **Expectations and Assessments**

### **Types of assessments:**

- Formative assessment (quizzes and practice questions)
- Lab Reports (at least 2 weeks to complete)
- Activities/ Classwork/ Homework
- Unit Tests
- Mock Exams
- Collaborative science project (cross-curricular)



### **Expectations/Tips for success:**

- Stay organized
  - Materials
  - o IA ideas
- Work in the lab SAFELY
- Review regularly
- Complete all assignments: practice practice practice
- Communicate with teacher as needed









|                             |   | Time (t | nours) | Weighting         |
|-----------------------------|---|---------|--------|-------------------|
| Type of assessment          | Format of assessment  | SL      | HL     | of final<br>grade |
| External                    |   | 3       | 4.5    | 80                |
| Paper 1                     | Paper 1A: Multiple-choice questions Paper 1B: Data-based questions and questions on experimental work   | 1.5     | 2      | 36                |
| Paper 2                     | Short answer and extended-response questions  | 1.5     | 2.5    | 44                |
| Internal                    |   | 1       | 0      | 20                |
| Scientific<br>investigation | The scientific investigation is an open-<br>ended task in which the student gathers and<br>analyses data in order to answer their own<br>formulated research question. The outcome<br>of the scientific investigation will be assessed<br>through the form of a written report. The<br>maximum overall word count for the report is<br>3,000 words. | 1       | 0      | 20                |





# Group 5

Mathematics



# Math AA SL & HL Math AI SL & HL

M. Nicholson



M. Touré











1. Number & Algebra

2. Functions

3. Geometry & trigonometry

4. Statistic & Probabilty

5. Calculus
Toolkit & Exploration

Total

Assessment

Paper 1

Paper 2

Paper 3

□ IA

# Applications & Interpretation

SI

16 hrs

31 hrs

18 hrs

36 hrs

19 hrs

30 hrs

150 hrs

40 % 90 min hort Respons

40 % 90 min
Short Respons

20.96

20 % Exploration

### HL

29 hrs

42 hrs

46 hrs 52 hrs

41 hrs

30 hrs

240 hrs

30 % 120 min Short Response

30 % 120 min
Long Response

20 % 60 min 2 Long Problems

> 20 % Exploration

Explorat

# **Analysis & Approches**

SI

19 hrs

21 hrs

25 hrs

27 hrs

28 hrs

30 hrs 150 hrs

40 % 90 min Short/Long Res.

40 % 90 min Short/Long Res.

20 %

20 % Exploration HL

39 hrs

32 hrs

51 hrs

33 hrs

55 hrs

30 hrs

240 hrs

30 % 120 min Short/Long Res.

30 % 120 min
Short/Long Res.

20 % 60 min 2 Long Problems

20 %

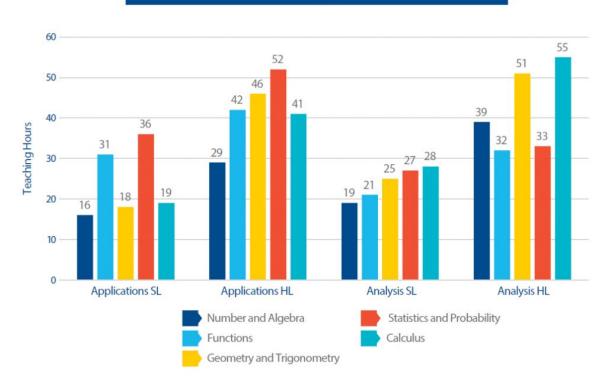
Exploration







# Mathematics Subject Breakdown











### How might you advise your students on which course to take?



Lauren wants to study
Chemical Engineering in
the UK. Looking at potential
universities, when she
browsed the Imperial
College, London website
for the M'Eng course, she
saw that either Analysis
or Applications HL will
be accepted.



Even though Javid is drawn to abstract problem solving and calculus, he intends to study economics at a top university. Therefore, he takes Mathematics: applications and interpretation HL to learn more about statistics and mathematical modelling.



Roberto is passionate about the social sciences. He's already enrolled in higher level French, psychology, and history courses. Since he is applying to university to study psychology, Roberto feels its best to take Mathematics: applications and interpretation SL.



As a result of being in the IB, Mei has a newly sparked interest in global economies. She decides to take Mathematics: analysis and approaches SL because it has a relatively equal coverage of all maths subjects. Fortunately her desired economics program recognizes this IB course.



### **Overview**

- Subject taught in English
- 5/4 (HL) to 3 (SL) hours per week
- Everything within SL is contained within HL. HL has about 40% more material.
- Regular tests during the 2 years, mostly based on bank exams questions (strictly respecting the official mark schemes), short quizzes, projects (oral presentations, short explorations) provide an average for the transcript.
- Regular links to TOK and other subjects are done during the class



## **FINAL EXAM ASSESSMENTS**

### The following skills are evaluated:

- 1. Knowledge and understanding
- 2. Problem solving
- 3. Communication and interpretation
- 4. Use of technology
- 5. Reasoning

<u>The IA - Math Exploration</u> is an integral part of the course and its assessment, compulsory for both SL and HL students. It enables students to demonstrate the application of their skills and knowledge, and to pursue their personal interests, without the time limitations.

Teachers are guiding the students through scheduled meetings.

At the end of the process, a short essay is marked by the teacher, subject to validation by the IB Organization.



#### **PAPERS:**

IA:

Marks are awarded for proper method, accuracy, and reasoning.

On Paper 1, Paper 2, and especially Paper 3 (HL), full marks are not necessarily awarded for a correct answer with no work shown.

Answers must be supported by some sort of explanation (in the form of, for example diagrams, graphs or calculations).

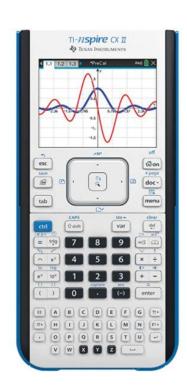
The IB exams give a great deal of partial credit, so showing all work is crucial.

|   | Criterion A | Presentation                  | 4 marks |
|---|-------------|-------------------------------|---------|
|   | Criterion B | Mathematical<br>Communication | 4 marks |
|   | Criterion C | Personal Engagement           | 3 marks |
|   | Criterion D | Reflection                    | 3 marks |
| \ | Criterion E | Use of Mathematics            | 6 marks |

12-20 pages Individual piece of work Topic chosen by the student One draft with written feedback provided















# Group 6 The Arts



# Visual Arts - in French Mme Angoulvant





### **Art Journal**

- Throughout the course students are required to maintain a visual arts journal. Sections of the journal will be selected, adapted and presented for assessment, the journal itself is regarded as a fundamental activity of the course. All entries must be dated.
- Much of the work done will be done outside of class, as homework. The art journal is submitted to my review for evaluation. Class time will be reserved for studio work; presentations and demonstrations; and critique of student work.

### **Museum visits**

**Visit report** - To be included in the art journal twice a trimester. Students are requested to visit an art exhibition in a gallery or an art museum and prepare a written report. They will include photos of the exhibition and references to other works of art.

### Ideas of museums to visit.

### **Stores and Art supplies**



## Part 1: Comparative study - 20% - External assessment

- Submit 10–15 pages which examine and compare at least three artworks, objects or artifacts, at least two of which need to be by different artists. The works selected for comparison and analysis should come from differing cultural contexts.
- Submit a list of sources used as separate document.

### Part 2: Process portfolio - 40% - External assessment

- Submit 9–18 pages which show sustained experimentation, exploration, manipulation and refinement of a variety of art-making activities.



### Part 3: Exhibition - 40% - Internal and External assessment

### Formal requirements of the task:

- Submit a curatorial rationale that does not exceed 400 words.
- Submit 4–7 artworks.
- Submit exhibition text (stating the title, medium and size of the artwork) for each selected artwork, and a written intention, max 500 characters.
- Submit two photographs of their overall exhibition. There is the possibility of additional supporting photos for each artwork.





# **IB** Core

Theory of Knowledge

M. Bouyeure





# Theory of Knowledge

-In a "post truth world", riddled with conspiracy theories, raising the question "do we know what we think we know and how do we know it?" has never been more urgent.

-The aim of the TOK course is to engage students to think both critically and reflectively. How is knowledge generated in the world around me? What is my own relation to knowledge?

-TOK is a little bit of every other subject. It is at the same time **epistemology**, **philosophy**, **anthropology and none of the above**! It is all about questioning the wonder of knowing...



### **Examples of "knowledge questions":**

- -Is knowing the same as believing?
- -What contribution can I make as a "knower"?
- -Why does indigenous knowledge matter?
- -How does our knowledge of language relate to the rest of our knowledge?
- -Why do history (the study of the past) attract such skepticism?
- -How does math stand out from other branches of knowledge?
- -Are the natural sciences more objective than the human sciences?



### **Curriculum:**

In DP1, it is focused on very foundational questions called "core themes": What is knowledge with respect to such concepts as truth, objectivity, responsibility, power?

What is the relation between knowledge and the knower?

We also explore such optional themes as indigenous knowledge or the relationship between knowledge and language.



### Assessment at a glance

### **Internal assessment**

### Theory of Knowledge exhibition (10 marks)

For this component, students are required to create an exhibition that explores how TOK manifests in the world around us. This component is internally assessed by the teacher and externally moderated by the IB at the end of the course.

1/3 (33%)

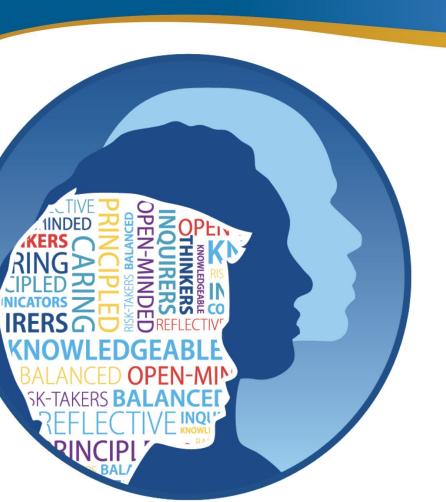
### **External assessment**

### TOK essay on a prescribed title (10 marks)

For this component, students are required to write an essay in response to one of the six prescribed titles that are issued by the IB for each examination session. As an external assessment component, it is marked by IB examiners.

2/3 (67%





Thank you!