

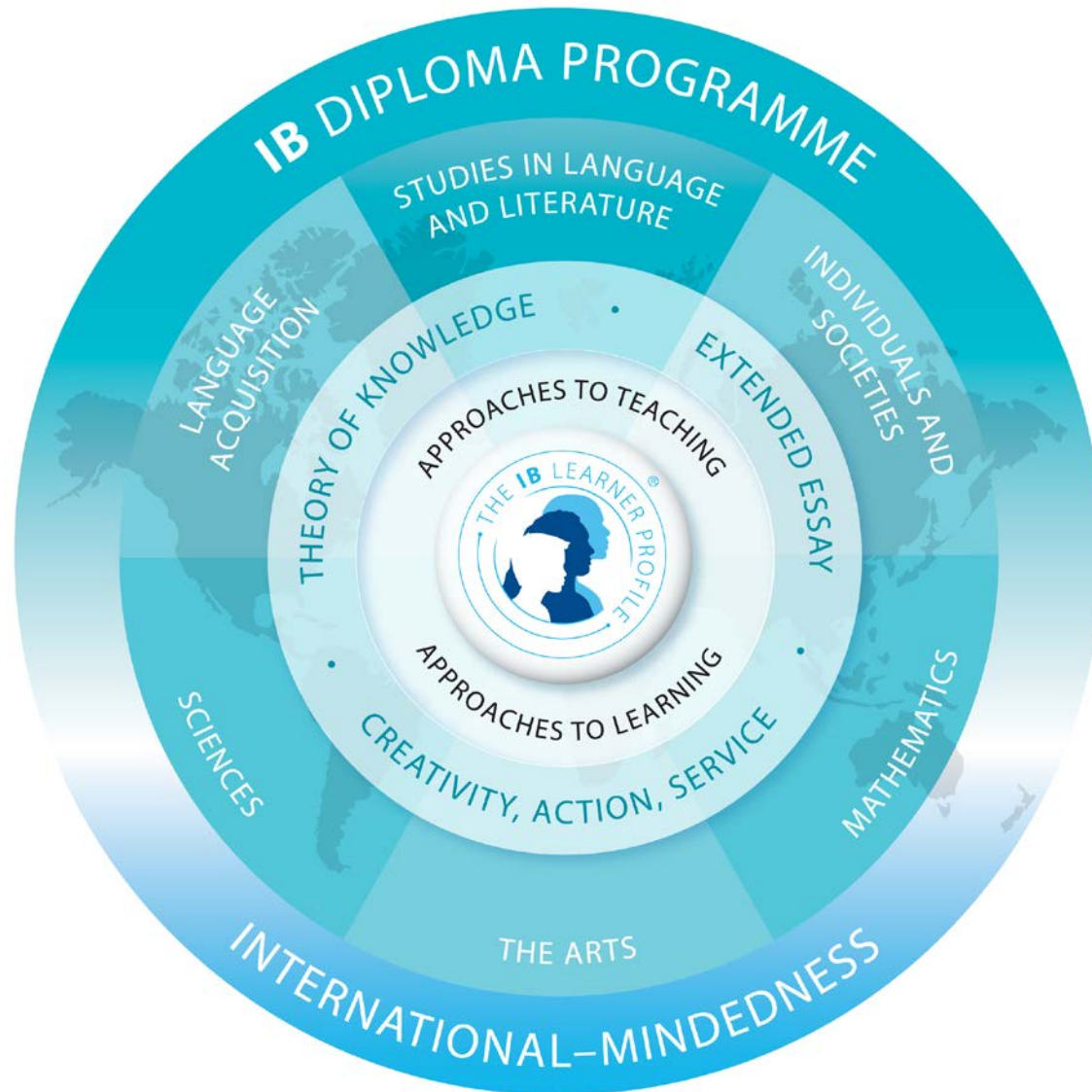


Selecting IB Courses for Grades 11 & 12

**International
Academy**



The IB Diploma Programme





What is the required program of study in the IB Diploma Program?

- IB Diploma candidates take courses from each of the six subject groups for both years.
 - Group 1 – **Studies in Language and Literature**
 - Group 2 – **Language Acquisition**
 - Group 3 – **Individuals and Societies**
 - Group 4 – **Experimental Sciences**
 - Group 5 – **Mathematics**
 - Group 6 – **The Arts** or optional sixth IB subject
- And complete the Diploma Program Core:
Extended Essay, Theory of Knowledge and Creativity, Action and Service (CAS)



What are the assessment requirements of the Diploma Program?

- **Internal Assessments** throughout junior and senior year
- In May of the senior year, students will take written exams for each IB course
- **THREE (3) exams** must be at the **Higher Level (HL)**.
- **THREE (3) exams** must be at the **Standard Level (SL)**
- *It is possible to take four with administration and teacher approval. HL exams earn college credit*



How is the IB Diploma determined?

- Each IB course is scored on a 1-7 scale (this score includes internal and external assessments)
- Students must score a minimum total of **12** on the HL exams and **9** on the SL exams and **24** points on exams overall to earn the IB Diploma
- The average score at the IA for the 2014 class was **32**
- The highest score possible is **45**



How is the IB Diploma determined?

- The students **MUST** complete the Diploma Program Core: *Extended Essay, Theory of Knowledge and Creativity, Action and Service* to be able to receive the IB Diploma.
- Excellence on the EE and TOK can earn up to an additional three points on the Diploma



Diploma Core

- ***TOK – Theory of Knowledge***
- ***EE – Extended Essay***
- ***CAS – Creativity, Action and Service***



Theory of Knowledge (TOK)

- **Required interdisciplinary course**
- **Students will:**
 - Question the basis of knowledge
 - Be aware of subjective and ideological biases
 - Develop a personal mode of thought based on evidence and rational argument
- **Coherent approach to learning that unifies the academic subjects and appreciates other cultural perspectives**
- **The course is centered on student reflection and questioning**



TOK Course of Study

- **Two separate, one-semester courses in 11th and 12th grade**
- **Junior Year**
 - **The Knower and Knowledge**
 - **Knowledge Questions and Knowledge Claims**
 - **Truth and Justifications**
 - **Ways of Knowing (emotion, reason, perception, language, intuition, imagination, memory, faith)**
 - **Oral presentation as the IB Internal Assessment (1/3 of final score)**



TOK Course of Study

- **Senior Year**
- **Areas of Knowledge (mathematics, natural sciences, human sciences, history, the arts, ethics, religious knowledge systems and indigenous knowledge systems)**
- **Essay as the IB External Assessment (2/3 of final score)**



Extended Essay

- 4000 word research paper
- 0 to 3 bonus points awarded
- Required to receive IB diploma and IA diploma
- Large choice of subjects, range from literature to visual arts
- Mentor assigned to monitor Mentee's progress
- Must be student's own unaided work
- Start March of the Junior year
- Due in November of the Senior year
- 0.25 credit in each of 11th and 12th grade
- Factors into overall GPA



Creativity, Action, Service (CAS)

- **The emphasis is on experiential learning and reflection on that learning**
- **Minimum of 150 documented hours**
- **Required to receive IB diploma and IA diploma**
- **Minimum 50 hours documented in EACH (creativity, action, service)**



CAS - Creativity

- **Creativity** – is interpreted as imaginatively as possible to cover wide range for arts and other activities
- **Examples:** cultural events, live presentations, dance, music, museum visits, helping an organization supporting the arts
- **Documentation:** ticket stubs, brochures, photos, video tapes, etc.



CAS - Action

- **Action may include participation in expeditions, individual and team sports and physical training**
- **Examples:** sports, assistant coaching for young teams, dance, karate, gymnastics, weight lifting, jogging, skiing, swimming



CAS - Service

- **Service is community or social service; it can include environmental and international projects**
- **Examples:** visits to nursing homes, hospitals, assisting in soup kitchens, Habitat for Humanity projects



SCHEDULING



Junior Year Schedule

IB 1 Literature	IB 1 Math
IB 1 Language	IB 1 Sixth Course
IB 1 History	IB 1 Lang. Culture/TOK
IB 1 Science	Government/Product Team or Music Ensemble



Senior Year Schedule

IB 2 Literature	IB 2 Math
IB 2 Language	IB 2 Sixth Course
IB 2 History	TOK/IB Exam Prep
IB 2 Science	Product Team/Product Team or Music Ensemble



The Courses in Depth





Studies in Language and Literature

- **Instruction at Higher Level (HL)**
- **Areas of Study**
 - Works in Translation
 - Detailed Study
 - Genre
 - Options (School Choice)



Studies in Language and Literature

IB Assessments

Internal Assessments: (30% of score)

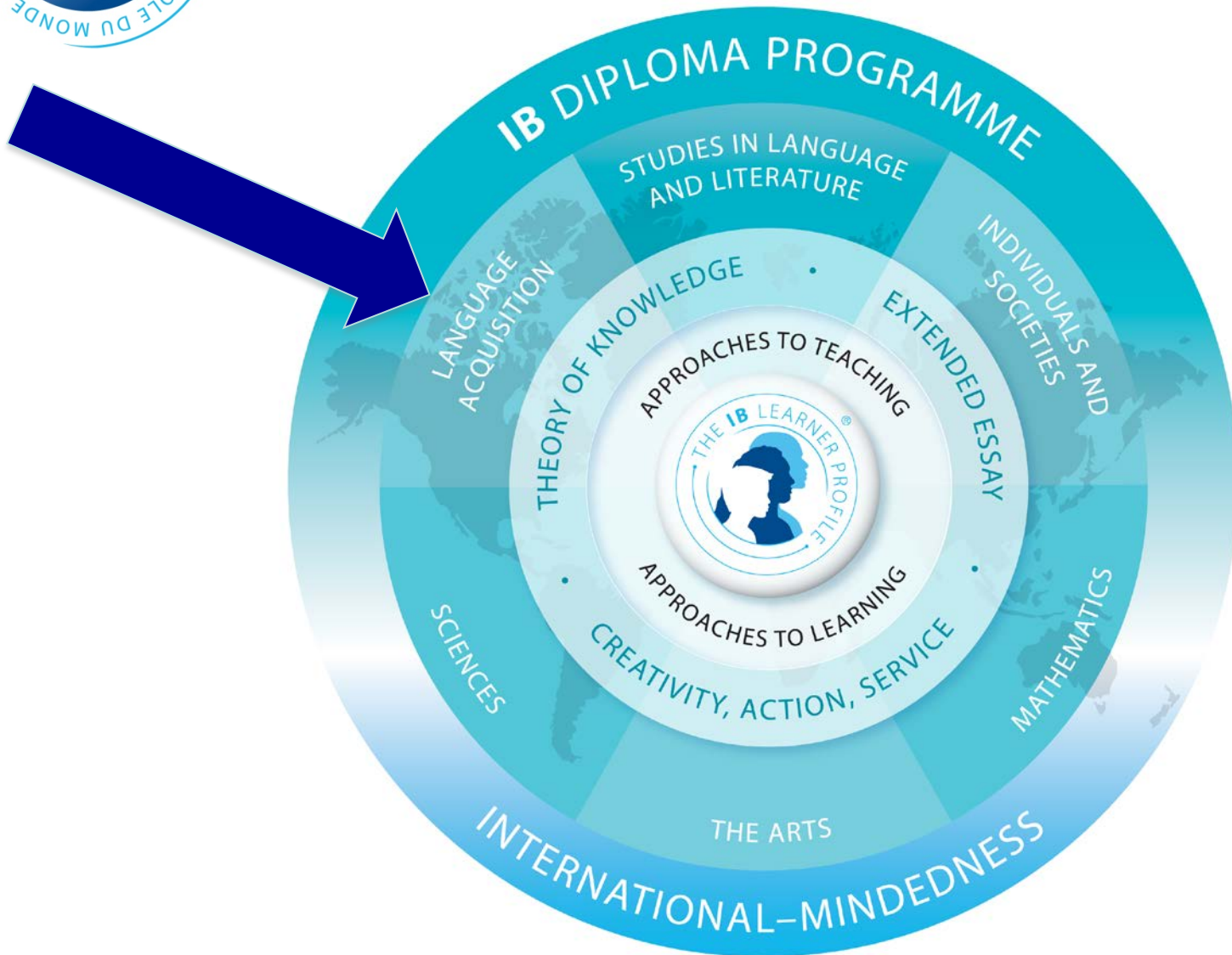
- Formal Oral Presentation
- Formal Oral Commentary

External Assessments: (70% of score)

- World Literature Assignment Essay
- IB Exams (Commentary and Essay)



The Courses in Depth





Language Acquisition (French, German or Spanish)

- **Five-year program of study including culture classes**

IB Assessments

(all during senior year)

Internal Assessments (30% of score)

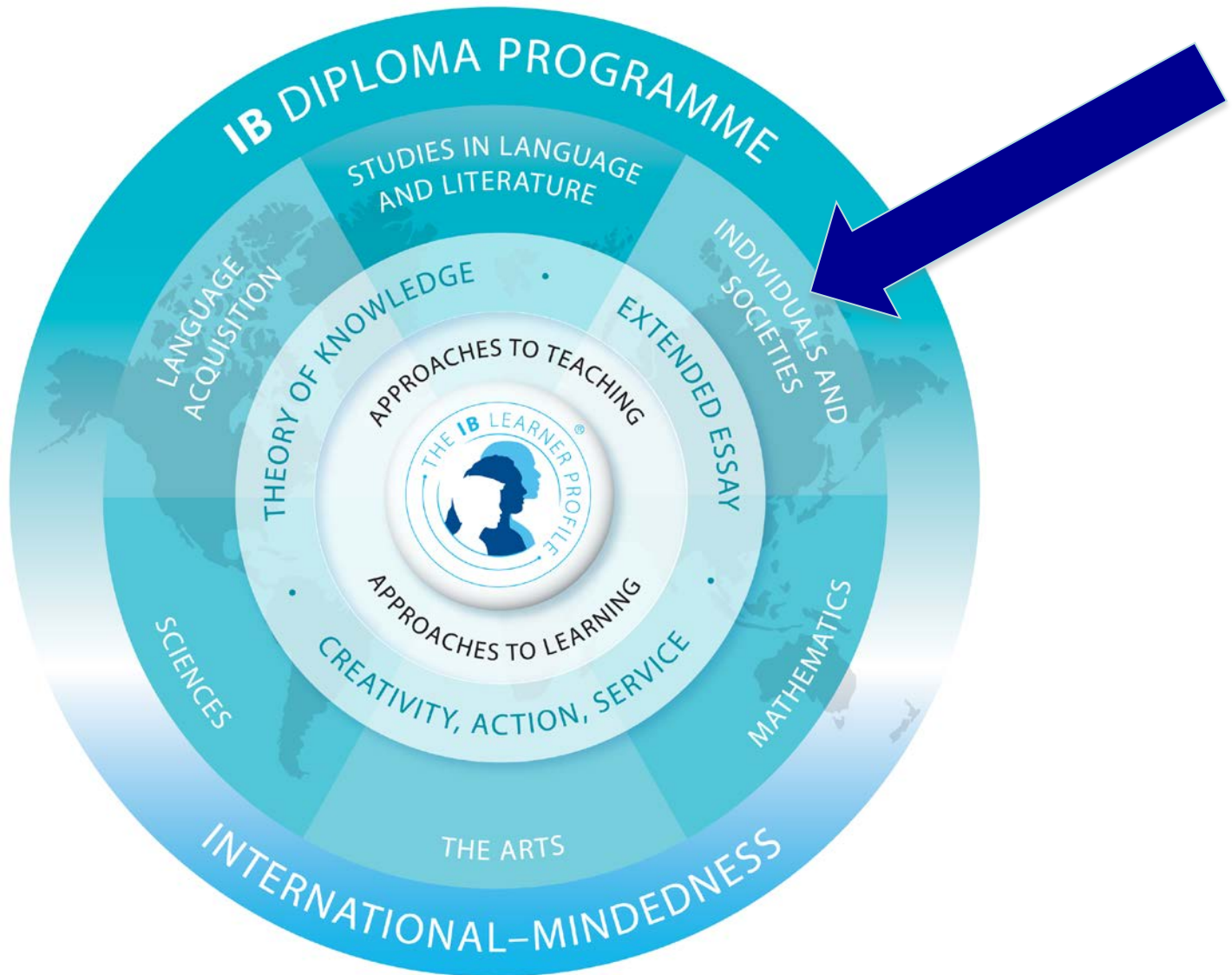
- **Interactive Orals**
- **Individual Oral**

External Assessments (70% of score)

- **Written Assignment**
- **Exam Paper 1 – text handling**
- **Exam Paper 2 – Essay**



The Courses in Depth





Individuals & Societies

History of Europe asks students to engage in:

- **comparative and multi-perspective approach to history.**
- the study of a variety of types of history, including **political, economic, social and cultural**, and provides a balance of structure and flexibility.
- A specific focus on the 20th century:
 - causes of expansion, key events, and international responses to that expansion.
 - Discussion of domestic and ideological issues

Internal Assessment completed junior year



Individuals & Societies

Internal Assessment: (SL 25% - HL 20%)

- **Internal Assessment:** A historical investigation completed during Jan through May of the junior year

External Assessments: (SL 75% - HL 80%)

- **Paper One:** Four structured response questions on 20th century Europe
- **Paper Two:** One question from 2 of the following topics
 - Authoritarian states
 - Causes and effects of 20th-century wars
 - The Cold War: Superpower tensions and rivalries
- **Paper Three (HL only):** Topics from History of Europe from 1919-2000



The Courses in Depth





Experimental Sciences

All courses are taught at the **HL level** and are two (2) year courses of study

- **Biology**
- **Chemistry**
- **Physics**



Experimental Sciences

IB Assessments

Internal Assessments: (20% of final score)

- Group 4 Project
- Scientific Investigations

External Assessments: (80% of final score)

- Paper 1: multiple choice
- Paper 2: one data based question, Short answer and extended-response
- Paper 3: Short answer and extended-response



Biology

- Cell biology
- Biochemistry
- Genetics
- Ecology
- Evolution and biodiversity
- Cellular energy transformations
- Internal Assessment
- Plant biology
- Animal physiology (major systems and immunology)
- Neurobiology and Animal Behavior



Chemistry

Junior Year:

- Thermochemistry
- Chemical Kinetics
- Equilibrium
- Acids/Bases
- Electrochemistry
- Internal Assessment

Senior Year:

- Advanced Bonding
- Advanced Periodicity
- Organic Chemistry
- Biochemistry

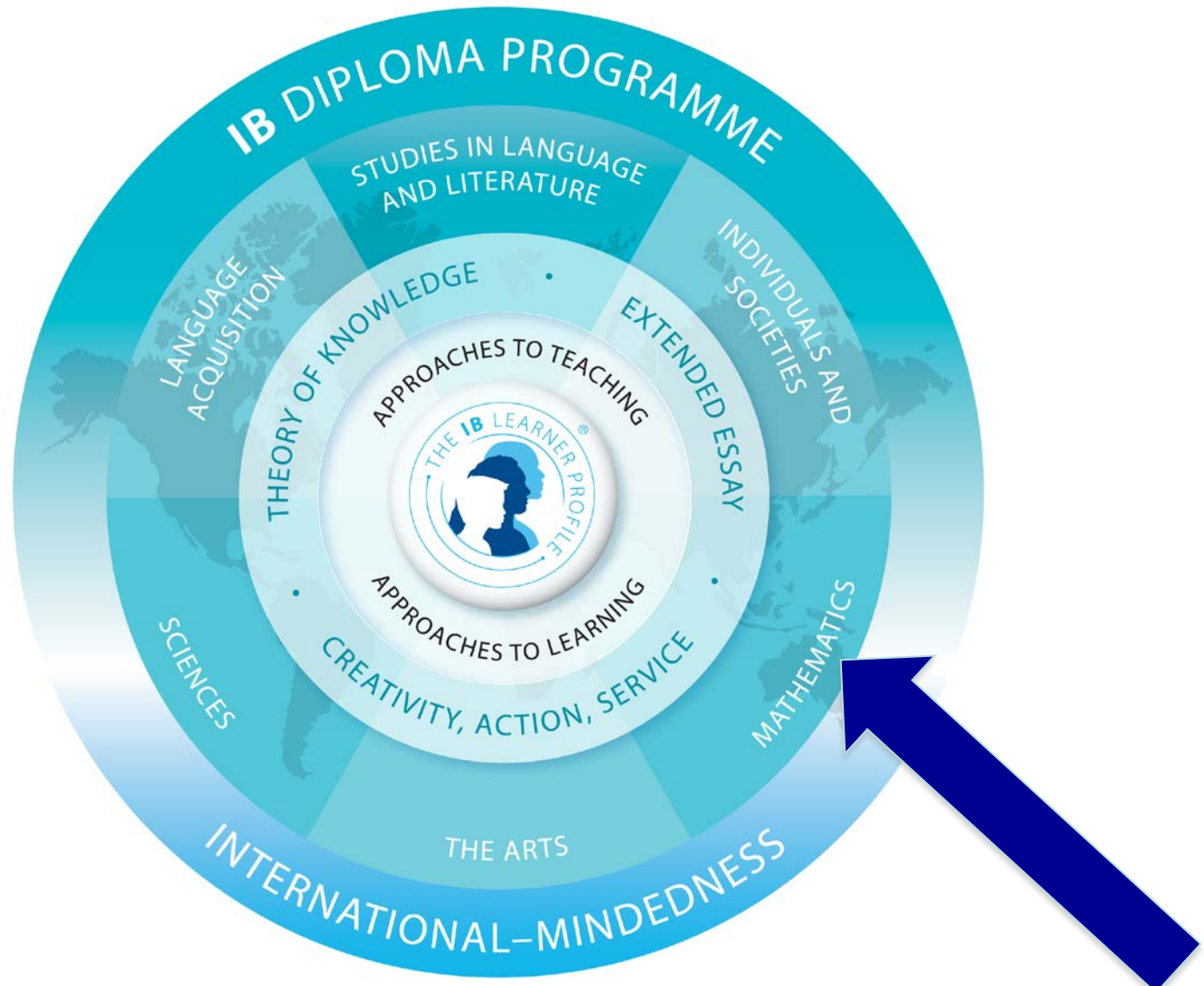


Physics

- **Measurements and uncertainties**
- **Mechanics**
- **Thermal physics**
- **Waves**
- **Electricity and magnetism**
- **Circular motion and gravitation**
- **Atomic, nuclear and particle physics**
- **Energy production**
- **Wave phenomena**
- **Fields**
- **Electromagnetic induction**
- **Quantum and nuclear physics**
- **Imaging**



The Courses in Depth





Mathematics

10th Grade

11th Grade

12th Grade

Math 3

Studies 1

Studies 2

84% Test Avg

Studies 1

SL 1

SL2

SL1

HL1

HL2

HL1

HL2

Further Math HL



Mathematics

- **Mathematical Studies SL**
 - Number & Algebra
 - Logic Sets & Probability
 - Geometry & Trigonometry
 - Descriptive Statistics
 - Application of Statistics
 - Mathematical Models
 - Introduction to Calculus
- **Internal Assessment – Project (12th grade)**



Mathematics

- **Mathematics SL**
 - Number & Algebra
 - Functions & Equations
 - Circular Functions & Trigonometry
 - Vectors
 - Statistics & Probability
 - Calculus
- **Internal Assessment – Mathematical Exploration - Senior Year**



Mathematics

- **Mathematics HL**
 - Algebra
 - Functions & Equations
 - Circular Functions & Trigonometry
 - Vectors
 - Matrices
 - Statistics & Probability
 - Calculus
 - Series & Differential Equations
- **Internal Assessment – Mathematical Exploration – Junior Year**



Mathematics

IB Assessments

Internal Assessments: (20% of final score)

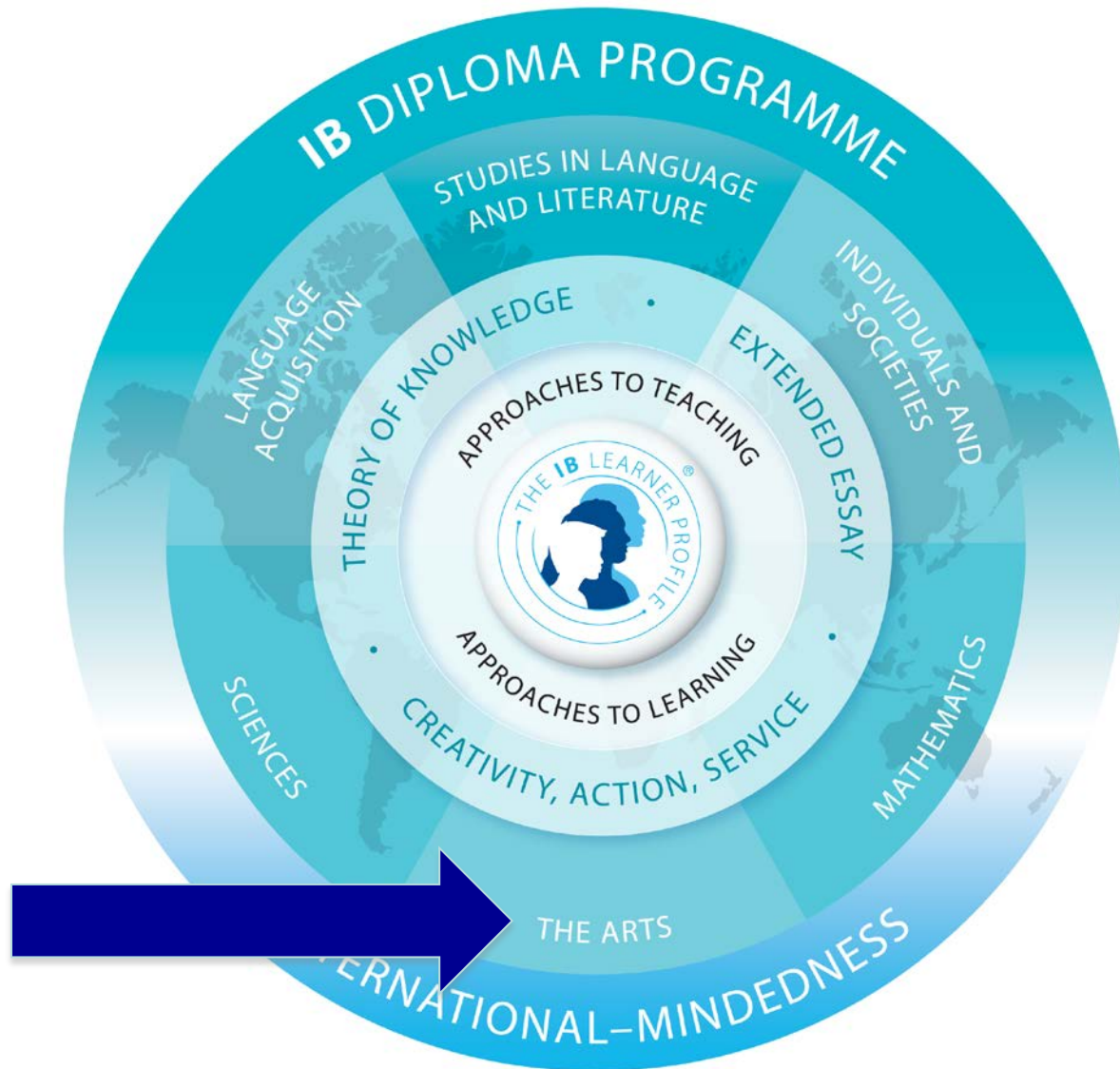
- Math Explorations (SL and HL)
- Project (Math Studies)

External Assessments: (80% of final score)

- Paper 1: Short-response questions
- Paper 2: Extended-response questions
- Paper 3: (HL only) Extended-response



The Courses in Depth





Group 6: The Arts

- **Visual Arts SL**
- **Visual Arts HL**
- **Music SL – Solo performance**
- **Music SL – group performance**
- **Music SL – composition**
- **Music HL**



Visual Arts

HL and SL levels

Core Syllabus areas:

- **Visual Arts in Context:** Artists and why they make art
- **Visual Arts Methods:** Ways of making artwork
- **Communicating Visual Arts:** Ways of presenting art



Assessment

- **External Assessment (60% of final score)**
 - **Comparative Study:** Students analyze and compare different artworks by different artists.
 - **Process Portfolio:** Students submit selected materials which evidence experimentation, exploration, manipulation and refinement of a variety of visual arts activities. The **Visual Arts Journal** will contribute to this assessment.
- **Internal Assessment (40% of final score)**
 - **Exhibition:** Students submit a selection of resolved artworks from their exhibition which show evidence of technical accomplishment, and an understanding of use of materials, ideas, and practices of visual communication. SL (4-7) HL (8-12)



Music

IB Music is a two-year, multilevel course (SL & HL) in which students:

- **explore music of the world**
- **learn how to analyze music**
- **creatively develop through performance and composition**
- **will be assisted in developing their potential as musicians**



Music

- **Musical goals for all students (SL/HL)**
 - **Study of musical genres and styles**
 - Study of prescribed work(s) and 4 listening papers: **30%** (External Assessment)
 - Musical investigation of two styles: **20%** (External Assessment)



Music- Standard Level (SL)

- **Three options for Internal Assessment - 50%:**
 - **SLS – Solo Performance Option – Musical Perception and Analysis**
 - 15 minutes of solo performance
 - Selections primarily from the classical cannon
 - Students must perform on one instrument
 - **SLG – Group Performance Option – Musical Perception and analysis – Group Performance:**
 - 2 or more public performances
 - IA Ensemble participation fulfills this option
 - **SLC – Composition Option – Musical Perception and Analysis – Composition:**
 - 2 compositions of contrasting style



Music – Higher Level (HL)

- **20 minutes of solo music making**
 - Selections primarily from the classical canon
 - Students must perform on one instrument
- **3 contrasting original compositions**
 - Composed in contrasting styles
 - Each work is 3 to 6 minutes in length
 - Must have live performance of the work



Optional Sixth IB Courses

Ab initio
French,
German or
Spanish

Biology
Chemistry
Physics

Economics





ab initio Language

(French, German or Spanish)

- **World language course for beginners**
 - 2 year course of study and a one semester culture class
- **IB Assessments**
 - 30% Paper 1
 - 25% Paper 2
 - 30% Internal Assessment – Oral
 - 20% Written Assignment



Economics

- **Microeconomics**
 - **Markets, Elasticities, Theory of the Firm-Costs & Market Structure, Economic Efficiency, Market Failure**
- **Macroeconomics**
 - **Measuring National Income, Intro to Development, Macroeconomic Models, Unemployment, Inflation, Measuring Economic Development**
- **Internal Assessment – 3 Critical Essays**



Economics

- **International Economics**
 - Reasons to trade, protectionism, trade agreements, balance of payments, exchange rates, balance of payment problems, terms of trade
- **Development Economics**
 - Sources of economic growth & development, strategies, barriers, negative consequences of growth



Sciences

A second science course:

- Biology
- Chemistry
- Physics



**All submissions are
time-stamped.**

**Courses are filled in the order
received.**

**If you change a course selection, your
choices will move to the
latest time-stamp.**



Seventh Class Options

Music Ensembles

OR

Product Team

OR

Optional 7th IB Subject

for those students with a **3.8** non-weighted GPA (must be approved by administration and teachers) or **3.9** if it is a third science course

** Space availability may limited these choices*



Musical Ensembles

- Juniors and seniors are able to participate in a band, choir or orchestra ensemble
- The ensemble counts as a “Product Team”
- Participating can also help to fulfill the creativity component of CAS



Online Summer Government

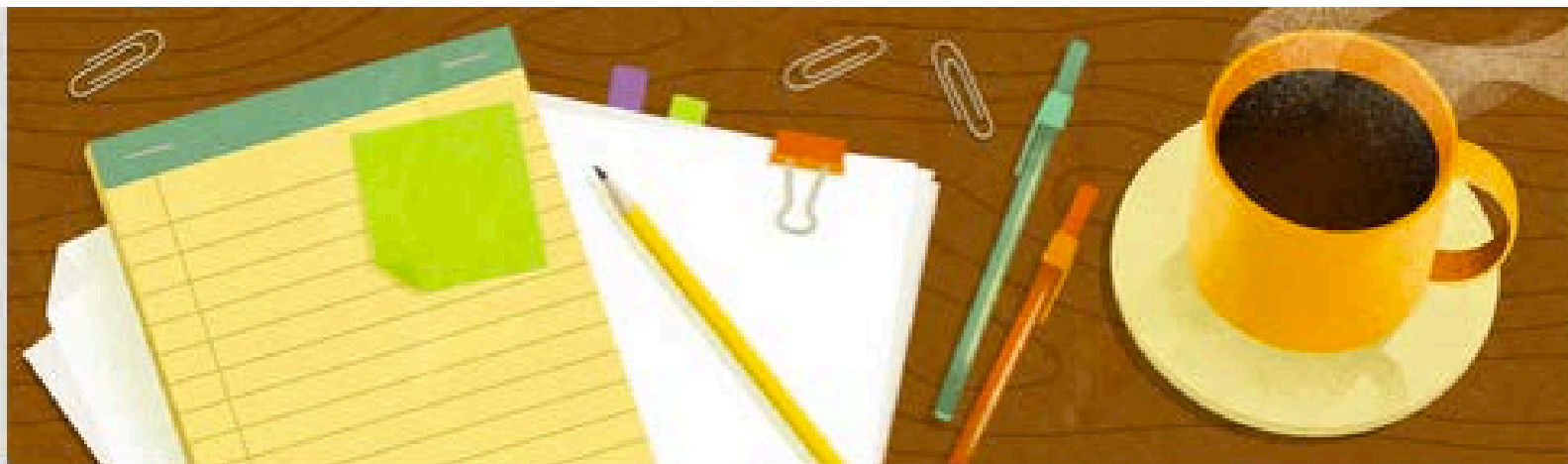
- **Government Options:**
 1. In-Class Course
 2. Summer Online Course*
 - ***ONLY** for music, ab initio, and 7th IB subject students.
- **Fee applies for summer class (\$235 – subject to change).**
- **Session dates to be announced – see Ms. Latif, Enrichment Coordinator**

How to sign up



The screenshot shows a Moodle course interface. At the top, there are navigation links: Logout, IA Today, and Moodle Docs. Below that, the course name 'Home ► C2017' is displayed. On the left, a 'Navigation' sidebar lists various course sections, including 'Home', 'My home', 'Site pages', 'My profile', and 'Current course' (C2017). Under 'Current course', there are sub-sections like 'Participants', 'Reports', 'General', and 'Sophomore enrollment for IB courses 2015-2016'. The main content area is titled 'General' and features the school's logo (Colegio del Mundo World School) and the text 'CLASS OF 2017'. Below the logo is a 'News forum' icon. Further down, there is a section titled 'Sophomore enrollment for IB courses 2015-2016' with a text block explaining the sign-up process and a link to the 'Sophomore Registration Form for 2015-16'. A large teal arrow points from the bottom right towards the registration form link.

- **Remember: All students will need to complete the online course sign up by March 26 by 11:59 p.m.**



IB Diploma Course Selection – IA Okma Class of 2017

Please use the yellow catalog of courses to help complete the enrollment process. On the last page please select "Send me a copy of my responses." to get a copy of your selections.

Your username (sfairman@bloomfield.org) will be recorded when you submit this form. Not **sfairman**? [Sign out](#)

* Required

First Name *

Last Name *



Thank you for coming!

- **Teachers will be available for your individual questions.**
- **For any course, if the number of requests exceeds the available number of spots, a lottery by timestamp will be used to determine courses.**