



## 6th Grade MYP Curriculum

### Language and Literature (Language Arts)

**Primary Textbook:** *Collections, Grade 6* by Houghton Mifflin Harcourt

#### Novels:

- *Hatchet* by Gary Paulsen
- *The Lightning Thief* by Rick Riordan
- *Esperanza Rising* by Pam Muñoz Ryan

#### Units of Inquiry:

1. **Unit 1: Identity and Belonging**
  - **Key Concept:** Identity
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How do our personal experiences shape our identities?
  - **Assessment:** Personal narrative essay, character analysis project.
2. **Unit 2: Storytelling Across Cultures**
  - **Key Concept:** Communication
  - **Global Context:** Personal and Cultural Expression
  - **Inquiry Question:** How does storytelling preserve and reflect cultural values?
  - **Assessment:** Comparative analysis of myths and legends, creative writing assignments.
3. **Unit 3: Conflict and Perspective**
  - **Key Concept:** Perspective
  - **Global Context:** Fairness and Development
  - **Inquiry Question:** How can understanding different perspectives help resolve conflicts?
  - **Assessment:** Persuasive essays, group debates.
4. **Unit 4: The Power of Language**
  - **Key Concept:** Power
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How does language shape our understanding of the world?
  - **Assessment:** Analysis of media and propaganda, argumentative essays.
5. **Unit 5: Courage and Survival**
  - **Key Concept:** Courage
  - **Global Context:** Personal and Cultural Expression
  - **Inquiry Question:** How do individuals find the strength to survive in difficult situations?



- **Assessment:** Survival story analysis, creative writing based on survival scenarios.
  - 6. **Unit 6: Friendship and Loyalty**
    - **Key Concept:** Relationships
    - **Global Context:** Identities and Relationships
    - **Inquiry Question:** What role does friendship play in our lives?
    - **Assessment:** Comparative essays on friendships in literature, character relationship maps.
  - 7. **Unit 7: Exploration and Adventure**
    - **Key Concept:** Exploration
    - **Global Context:** Orientation in Space and Time
    - **Inquiry Question:** How do exploration and adventure shape our understanding of the world?
    - **Assessment:** Analytical essays on adventure narratives, group projects on famous explorers.
  - 8. **Unit 8: The Impact of Family**
    - **Key Concept:** Relationships
    - **Global Context:** Identities and Relationships
    - **Inquiry Question:** How does family influence our identities and choices?
    - **Assessment:** Personal essays on family influence, character studies of family dynamics in novels.
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## Mathematics

### Primary Textbooks:

- Regular Track: *Dimensions Math 6A and 6B* by Singapore Math Inc.
- Honors Track: *Dimensions Math 6A, 6B, 7A, and 7B* by Singapore Math Inc.

### Units of Inquiry (Regular Track):

1. **Unit 1: Number Sense and Operations**
  - **Content:** Operations with whole numbers, fractions, decimals, and factors.
  - **Key Concept:** Logic
  - **Assessment:** Quizzes on operations with fractions and decimals, computational exercises.
2. **Unit 2: Ratios and Proportional Relationships**
  - **Content:** Understanding ratios, unit rates, and introductory percentages.
  - **Key Concept:** Relationships



- **Assessment:** Real-world application projects, quizzes on ratios and percentages.
- 3. **Unit 3: Expressions and Equations**
  - **Content:** Introduction to algebraic expressions and solving simple equations.
  - **Key Concept:** Form
  - **Assessment:** Tests on algebraic expressions and equations, problem-solving tasks.
- 4. **Unit 4: Geometry and Measurement**
  - **Content:** Basic geometric shapes, area, perimeter, and volume.
  - **Key Concept:** Space
  - **Assessment:** Geometry projects, assessments on area, perimeter, and volume calculations.
- 5. **Unit 5: Statistics and Probability**
  - **Content:** Introduction to statistical measures (mean, median, mode, range) and basic probability concepts.
  - **Key Concept:** Relationships
  - **Assessment:** Data analysis projects, probability experiments, and quizzes.
- 6. **Unit 6: Integers and Their Operations**
  - **Content:** Understanding and performing operations with integers.
  - **Key Concept:** Logic
  - **Assessment:** Problem-solving exercises, quizzes on adding, subtracting, multiplying, and dividing integers.
- 7. **Unit 7: Ratio and Proportional Reasoning in Real-Life Contexts**
  - **Content:** Applying ratios and proportions to solve problems involving scale drawings, recipes, and similar figures.
  - **Key Concept:** Relationships
  - **Assessment:** Real-world problem-solving projects, quizzes on proportional reasoning.
- 8. **Unit 8: Data Representation and Interpretation**
  - **Content:** Representing data using graphs, including histograms, box plots, and line plots; interpreting data in context.
  - **Key Concept:** Representation
  - **Assessment:** Data collection and analysis projects, quizzes on graphing techniques and data interpretation.
- 9. **Unit 9: Introduction to Algebraic Thinking**
  - **Content:** Exploring patterns, sequences, and the concept of variables as a foundation for algebra.
  - **Key Concept:** Form
  - **Assessment:** Pattern recognition projects, introduction to variables and simple equations.



## Units of Inquiry (Honors Track):

1. **Unit 1: Number Sense and Operations (Combined 6th and 7th Grade Content)**
  - **Content:** Operations with whole numbers, fractions, decimals, integers, and rational numbers.
  - **Key Concept:** Logic
  - **Assessment:** Tests on operations with various number types, including complex problem sets.
2. **Unit 2: Ratios, Proportional Relationships, and Percentages (Combined 6th and 7th Grade Content)**
  - **Content:** Understanding and applying ratios, rates, and percentages in real-world contexts.
  - **Key Concept:** Relationships
  - **Assessment:** Projects involving complex ratio and percentage problems, quizzes.
3. **Unit 3: Expressions, Equations, and Inequalities (Combined 6th and 7th Grade Content)**
  - **Content:** Algebraic expressions, solving multi-step equations and inequalities, and algebraic properties.
  - **Key Concept:** Form
  - **Assessment:** Tests on simplifying expressions, solving equations, and applying algebraic principles.
4. **Unit 4: Geometry and Spatial Reasoning (Combined 6th and 7th Grade Content)**
  - **Content:** Geometric shapes, area, perimeter, volume, and introduction to the Pythagorean Theorem.
  - **Key Concept:** Space
  - **Assessment:** Geometry projects, tests on geometric properties and the Pythagorean Theorem.
5. **Unit 5: Statistics and Probability (Combined 6th and 7th Grade Content)**
  - **Content:** Statistical measures, data analysis, and probability models.
  - **Key Concept:** Relationships
  - **Assessment:** Data analysis projects, probability assessments, and real-world applications.
6. **Unit 6: Rational Numbers and Their Applications**
  - **Content:** Extending operations with fractions, decimals, and mixed numbers to include negative values and real-world applications.
  - **Key Concept:** Logic
  - **Assessment:** Complex problem sets involving rational numbers, quizzes on real-world applications.
7. **Unit 7: Algebraic Expressions and Simple Equations**



- **Content:** Simplifying algebraic expressions, solving one-step and two-step equations, and understanding inequalities.
  - **Key Concept:** Form
  - **Assessment:** Tests on algebraic expressions, problem-solving tasks involving equations and inequalities.
8. **Unit 8: Advanced Geometry Concepts**
- **Content:** Exploring more complex geometric figures, including transformations (translations, rotations, reflections), symmetry, and tessellations.
  - **Key Concept:** Space
  - **Assessment:** Geometry projects on transformations, tessellation creation, and quizzes on symmetry.
9. **Unit 9: Probability Models and Applications**
- **Content:** Developing and analyzing probability models, including compound events, simulations, and real-world applications.
  - **Key Concept:** Relationships
  - **Assessment:** Probability experiments, data analysis projects, and quizzes on compound events and simulations.
10. **Unit 10: Advanced Topics and Enrichment**
- **Content:** Introduction to functions, basic graphing, and linear relationships (preparing for 8th-grade content).
  - **Key Concept:** Change
  - **Assessment:** Graphing projects, introduction to algebraic functions.

The **6th Grade Honors Math Track** provides an advanced and enriched curriculum designed to challenge students who excel in mathematics. This additional class period will focus on extending the regular curriculum by incorporating content from both **6th and 7th grade levels**, offering a deeper understanding of mathematical concepts and problem-solving techniques.

Key components include:

1. **Number Sense and Operations:**
  - Advanced operations with fractions, decimals, integers, and rational numbers.
  - Emphasis on multi-step problem-solving and real-world applications.
2. **Ratios, Proportional Relationships, and Percentages:**
  - In-depth exploration of ratios, unit rates, and percentages, with applications in more complex real-world scenarios.
3. **Expressions, Equations, and Inequalities:**
  - Advanced algebraic expressions, including solving multi-step equations and inequalities, and applying algebraic properties.
4. **Geometry and Spatial Reasoning:**



- Exploration of geometric shapes, area, perimeter, volume, and the introduction of the Pythagorean Theorem for more complex spatial reasoning problems.
- 5. **Statistics and Probability:**
  - Detailed analysis of statistical measures and probability models, including compound events and real-world data interpretation.
- 6. **Algebraic Thinking:**
  - Early exposure to functions, patterns, sequences, and the concept of variables, preparing students for more advanced algebraic work in future grades.

This honors class aims to develop critical thinking and analytical skills, preparing students for accelerated math tracks in higher grades. Students will engage in collaborative problem-solving, real-world math applications, and projects to enhance their understanding and application of mathematical concepts.

## Earth Science Curriculum

**Textbook:** *Earth Science: Geology, the Environment, and the Universe* by Glencoe/McGraw-Hill

### Units of Inquiry:

1. **Unit 1: Earth's Structure and Systems**
  - **Key Concept:** Systems
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How do Earth's internal systems shape the surface of our planet?
  - **Content:** Earth's layers (crust, mantle, core), plate tectonics, and geologic activity.
  - **Assessment:** Plate tectonics models, simulations of earthquake activity, quizzes on Earth's internal structure.
2. **Unit 2: The Rock Cycle**
  - **Key Concept:** Change
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How do rocks change over time through different processes?
  - **Content:** Types of rocks (igneous, sedimentary, metamorphic), the rock cycle, weathering, and erosion.
  - **Assessment:** Rock identification labs, projects on the rock cycle, quizzes on rock types.
3. **Unit 3: Earth's Atmosphere and Weather**



- **Key Concept:** Systems
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How does the atmosphere affect weather patterns and climate?
  - **Content:** Atmospheric layers, weather systems, the water cycle, and climate zones.
  - **Assessment:** Weather observation journals, water cycle models, quizzes on atmospheric processes and climate.
4. **Unit 4: Natural Resources and Conservation**
- **Key Concept:** Sustainability
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How can we sustainably manage Earth's natural resources?
  - **Content:** Renewable and nonrenewable resources, fossil fuels, conservation efforts, and alternative energy.
  - **Assessment:** Conservation research projects, energy debate presentations, quizzes on renewable energy.
5. **Unit 5: Earthquakes and Volcanoes**
- **Key Concept:** Change
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How do Earth's tectonic processes cause earthquakes and volcanic eruptions?
  - **Content:** Earthquake causes, seismic waves, volcano formation, types of volcanoes, and volcanic activity.
  - **Assessment:** Earthquake and volcano models, simulations, reports on major earthquakes and eruptions.
6. **Unit 6: Oceans and Currents**
- **Key Concept:** Systems
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How do ocean currents and marine systems affect global weather and climate?
  - **Content:** Ocean composition, ocean currents, tides, marine ecosystems, and human impact on oceans.
  - **Assessment:** Ocean current mapping, research on marine conservation, quizzes on ocean systems.
7. **Unit 7: Space and the Universe**
- **Key Concept:** Time, Place, and Space
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How does space exploration help us understand the universe?
  - **Content:** Solar system, stars, galaxies, space exploration, and telescopes.



- **Assessment:** Solar system model projects, quizzes on planetary characteristics, reports on space exploration missions.

## 6th Grade MYP World History Curriculum

**Textbook:** *World History: Ancient Civilizations* by Houghton Mifflin Harcourt

### Units of Inquiry:

#### 1. Unit 1: The Early Human Societies

- **Key Concept:** Time, Place, and Space
- **Global Context:** Orientation in Space and Time
- **Inquiry Question:** How did early humans adapt to and shape their environments?
- **Content:** Prehistory, hunter-gatherer societies, the development of agriculture, and the rise of early villages.
- **Assessment:** Timeline projects, reports on early human technology and society, quizzes on early human development.

#### 2. Unit 2: Ancient Mesopotamia and the Fertile Crescent

- **Key Concept:** Systems
- **Global Context:** Scientific and Technical Innovation
- **Inquiry Question:** How did the geography of Mesopotamia influence the development of one of the world's earliest civilizations?
- **Content:** Geography of Mesopotamia, development of city-states, the role of religion, and the creation of the first legal codes.
- **Assessment:** Research projects on Hammurabi's Code, maps of the Fertile Crescent, quizzes on Mesopotamian achievements.

#### 3. Unit 3: Ancient Egypt and the Nile River

- **Key Concept:** Systems
- **Global Context:** Orientation in Space and Time
- **Inquiry Question:** How did the Nile River shape the culture and development of Ancient Egypt?
- **Content:** The geography of Egypt, pharaohs and religion, Egyptian society and culture, and technological advances.
- **Assessment:** Egyptian pyramid models, research on Egyptian gods and goddesses, quizzes on the Nile and its impact on Egypt.

#### 4. Unit 4: Ancient India and Hinduism

- **Key Concept:** Culture
- **Global Context:** Personal and Cultural Expression





- **Inquiry Question:** How did religion and philosophy shape the development of Ancient India?
  - **Content:** Indus Valley civilization, Vedic culture, Hinduism, and the caste system.
  - **Assessment:** Reports on Hindu deities, caste system presentations, quizzes on Vedic traditions and beliefs.
5. **Unit 5: Ancient China and Confucianism**
- **Key Concept:** Power
  - **Global Context:** Fairness and Development
  - **Inquiry Question:** How did Confucianism and the political systems in Ancient China influence its long-term stability?
  - **Content:** Chinese dynasties, Confucianism, the Great Wall, and the Silk Road.
  - **Assessment:** Great Wall projects, research on Confucius' teachings, quizzes on Chinese dynastic history.
6. **Unit 6: Ancient Greece and Democracy**
- **Key Concept:** Governance
  - **Global Context:** Fairness and Development
  - **Inquiry Question:** How did democracy emerge in Ancient Greece, and what were its lasting impacts?
  - **Content:** The development of democracy in Athens, city-states, Greek culture, philosophy, and the Persian Wars.
  - **Assessment:** Athenian democracy debates, research on Greek philosophers, quizzes on Greek society.
7. **Unit 7: The Roman Republic and Empire**
- **Key Concept:** Power
  - **Global Context:** Global Interactions
  - **Inquiry Question:** How did the Roman Republic become one of the most powerful empires in history?
  - **Content:** The Roman Republic, Roman law, the rise of Julius Caesar, and the Roman Empire.
  - **Assessment:** Roman law analysis projects, presentations on the fall of the Roman Empire, quizzes on Roman culture and governance.
8. **Unit 8: The Spread of Christianity and Islam**
- **Key Concept:** Culture
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How did Christianity and Islam spread, and what were their impacts on the world?
  - **Content:** The life of Jesus, the spread of Christianity, the rise of Islam, and the Islamic Golden Age.
  - **Assessment:** Comparative essays on the spread of religions, presentations on Islamic contributions to science and art, quizzes on religious expansion.



## French Language Arts

*Satisfies American-Florida foreign language criteria*

*Satisfies French Ministry standards requirements*

**Textbook & Workbook: *Mon manuel/cahier de Français - 6e cycle 3 by L'envol des Lettres, Belin***

- Students explore, analyze and create in multiple literary genres and hone their skills presenting oral and written arguments in French. Some of the writing is informal while other assignments lead them through the full writing process.
- **Comprehension and oral expression** Presenting ideas and points of view, taking into account other views expressed by peers. Effectively communicating in French with adults and peers. Further developing critical thinking.
- **Reading and comprehension** Understanding and giving specific details about texts and reading fluently and independently. Using textual evidence to justify an answer or interpretation of a text. Understanding and elaborating on implied meanings in a text.
- **Writing** Independently writing a text with meaning and purpose. Respecting the format and the structure of various types of texts. Engaging in the editing process to improve independent writing.
- **Vocabulary** Expanding on how to form words. Learning and using thematic vocabulary.
- **Spelling “orthographe”** subject verb agreement - noun adjective agreement. Applying rules for adjectives corresponding with feminine/masculine, singular/plural nouns. Examining irregular and homophone words. Honing the past participle.
- **Grammar** studying the structure of sentences and the nature of words in a sentence: nouns, verbs, determinants, and pronouns. Understanding and using the function of the components of a sentence: verb complement, subject complement, and noun complement. Using increasingly complex sentence structures.
- **Conjugation** Expanding on and using various tenses: le présent, le passé, l'impératif, le plus que parfait, le passé simple, le passé antérieur, le futur antérieur

## French Mathematics (for CNED Track students)

*Satisfies French Ministry standards requirements*

**Textbook/Workbook: *Mission Indigo 6e cycle 3 by Hachette***

- Math is universal language. Our students have the opportunity to discover two approaches to the same fundamentals, helping them become even more fluent in mental calculations and further developing their critical analysis and thinking skills. In addition,



the French math program offers a more developed and in-depth understanding of geometry, well before High School.

- **Numbers** Using and representing large whole numbers, simple fractions, and decimals. Calculating using whole numbers and decimals. Solving problems through the use of fractions, decimals numbers and arithmetic
- **Measurements & Problem solving** Comparing, estimating, and measuring geometric sizes with whole and decimal numbers: length (perimeter), area, volume, angle. Using vocabulary, units, and specific instruments of measurement for these sizes. Using the metric system. Solving problems involving geometric, physical, and economic sizes by using whole numbers, decimals and proportionalities.
- **Geometry** Recognizing, identifying, describing, reproducing, representing, and constructing geometric solids and figures
- **French-Math Vocabulary** further evolving the knowledge and translation of mathematical terms

## **Electives for International Track students (available on rotation):**

*Satisfies American-Florida elective criteria*

### **Community Service and Leadership**

- Students engage in community service projects, learning the importance of civic responsibility, leadership, and empathy. This elective often includes organizing events, fundraising, and volunteering.

### **Journalism and Media Studies**

- Students develop their writing, interviewing, and reporting skills while producing a school newspaper, blog, or podcast. They also learn about media ethics and the impact of journalism in society.

### **Public Speaking and Debate**

- This elective teaches students how to confidently speak in front of an audience, structure arguments, and engage in formal debates. It enhances communication, critical thinking, and persuasion skills.

### **Culinary Arts**

- In this class, students learn basic cooking techniques, food safety, and nutrition. This fun and practical elective helps students build life skills while exploring culinary creativity.



## **Model United Nations (MUN)**

- In this simulation of the United Nations, students role-play as delegates from various countries, debating global issues and learning about diplomacy, international relations, and problem-solving.

## **Psychology**

- This elective introduces students to the basics of psychology, exploring topics like human behavior, emotions, brain functions, and mental health. It encourages self-awareness and empathy.

## **Visual Arts (mandatory 2 semesters for CNED Track students) (mandatory 1 semester for International Track students)**

**Satisfies American-Florida elective criteria and IB requirements**

**Satisfies French Ministry standards requirements**

- The program stresses visual imagery and the elements of art: line, shape, color, pattern, texture, and space. Assignments are structured and sequential, encouraging students to expand their artistic skills, broaden their visual perception, and develop facilities with a range of responses. By introducing influential artists, we teach art history in a dynamic, hands-on manner.

## **Music Theory & Piano (mandatory 2 semesters for CNED Track students)(mandatory 1 semester for International Track students)**

**Satisfies American-Florida elective criteria and IB requirements**

**Satisfies French Ministry standards requirements**

- The program offers the opportunity to participate in both Choral and Instrumental music, allowing students to deepen their interest in one or both areas. Students gain independence with music skills and secure their knowledge of musical concepts and historical background through experience, exploration and self-expression. Winter and Spring concerts provide public performance opportunities for Choral and Piano ensembles.



## **Available to CNED Track Students ONLY:**

### **Histoire/Géographie/EMC (mandatory 2 semesters for CNED Track Students)**

*Satisfies French Ministry requirements - 3 hours/week*

- This course deepens the student;s prior knowledge of the history of humanity and migrations, exploring foundations, beliefs, and citizenship in the ancient Mediterranean during the first century B.C. Students broaden their understanding of the Roman Empire in the ancient world. The Geography component of the course examines living in urban, rural and coastal areas and the inhabited world, in a global context. The EMC (Ed. Morale et Civique) segment of the course instills the French Republic’s principles and societal values of liberty, equality and fraternity - in accordance with the country’s motto - as well as justice, mutual respect, and inclusion.

***The CNED Track will only be available with a minimum enrollment of 3 students. Should the minimum enrollment not be met, the student will automatically be enrolled in the “International Track”.***

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## 7th Grade MYP Curriculum

### Language and Literature (Language Arts)

**Primary Textbook:** *Collections, Grade 7* by Houghton Mifflin Harcourt

#### Novels:

- *A Long Walk to Water* by Linda Sue Park
- *The Giver* by Lois Lowry

#### Units of Inquiry:

1. **Unit 1: The Hero's Journey**
  - **Key Concept:** Change
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How do personal challenges lead to growth?
  - **Assessment:** Analytical essays, creative projects mapping the Hero's Journey.
2. **Unit 2: Social Justice and Literature**
  - **Key Concept:** Fairness
  - **Global Context:** Fairness and Development
  - **Inquiry Question:** How can literature inspire social change?
  - **Assessment:** Analytical essays on social justice themes, class discussions on historical context.
3. **Unit 3: Media Literacy**
  - **Key Concept:** Communication
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How does media influence our perception of reality?
  - **Assessment:** Projects analyzing various media forms, persuasive essays on media responsibility.
4. **Unit 4: Cultural Identity in Literature**
  - **Key Concept:** Culture
  - **Global Context:** Identities and Relationships



- **Inquiry Question:** How does literature reflect and shape cultural identity?
  - **Assessment:** Comparative literature essays, presentations on cultural themes in selected texts.
5. **Unit 5: The Art of Persuasion**
- **Key Concept:** Power
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How is rhetoric used to influence others?
  - **Assessment:** Rhetorical analysis of speeches, creation of persuasive multimedia presentations.
6. **Unit 6: Science Fiction and Society**
- **Key Concept:** Innovation
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How does science fiction explore societal issues?
  - **Assessment:** Science fiction writing projects, discussions on futuristic themes.
7. **Unit 7: Historical Narratives**
- **Key Concept:** Perspective
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How do historical narratives shape our understanding of the past?
  - **Assessment:** Comparative essays on historical and fictional narratives, research projects on historical events.
8. **Unit 8: The Power of Storytelling**
- **Key Concept:** Communication
  - **Global Context:** Personal and Cultural Expression
  - **Inquiry Question:** How do stories shape our perceptions and values?
  - **Assessment:** Storytelling projects, creative writing assignments, analysis of narrative techniques.
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## Mathematics

### Primary Textbooks:

- Regular Track: *Dimensions Math 7A and 7B* by Singapore Math Inc.
- Honors Track: *Dimensions Math 8A and 8B* by Singapore Math Inc.

### Units of Inquiry (Regular Track):

1. **Unit 1: Rational Numbers and Operations**
  - **Content:** Operations with fractions, decimals, integers, and rational numbers.



- **Key Concept:** Logic
- **Assessment:** Problem sets, quizzes on rational number operations.
- 2. **Unit 2: Proportional Relationships and Percentages**
  - **Content:** Solving problems involving ratios, proportions, and percentages.
  - **Key Concept:** Relationships
  - **Assessment:** Real-world application projects, quizzes on percentages and proportions.
- 3. **Unit 3: Expressions, Equations, and Inequalities**
  - **Content:** Solving multi-step equations and inequalities; understanding algebraic properties.
  - **Key Concept:** Form
  - **Assessment:** Tests on algebraic expressions, equations, and inequalities.
- 4. **Unit 4: Geometry and Measurement**
  - **Content:** Understanding geometric properties, solving problems involving area, volume, and surface area.
  - **Key Concept:** Space
  - **Assessment:** Geometry projects, tests on geometric measurements.
- 5. **Unit 5: Statistics and Probability**
  - **Content:** Analyzing data distributions and understanding probability concepts.
  - **Key Concept:** Relationships
  - **Assessment:** Data analysis projects, probability experiments, and quizzes.
- 6. **Unit 6: Functions and Graphing**
  - **Content:** Introduction to functions, graphing linear equations, and understanding function notation.
  - **Key Concept:** Relationships
  - **Assessment:** Graphing projects, tests on linear functions and graph interpretation.
- 7. **Unit 7: Linear Relationships and Equations**
  - **Content:** Solving linear equations and understanding their applications in real-life contexts.
  - **Key Concept:** Change
  - **Assessment:** Projects on real-world applications of linear equations, quizzes on graphing and solving linear equations.
- 8. **Unit 8: Advanced Topics in Geometry**
  - **Content:** Exploring more complex geometric concepts, including the Pythagorean Theorem, transformations, and symmetry.
  - **Key Concept:** Space
  - **Assessment:** Geometry projects, tests on the Pythagorean Theorem, and transformations.





## Units of Inquiry (Honors Track):

1. **Unit 1: The Number System and Real Numbers**
  - **Content:** Operations with real numbers, including irrational numbers and radicals.
  - **Key Concept:** Logic
  - **Assessment:** Problem sets on real numbers, quizzes on operations with radicals.
2. **Unit 2: Expressions, Equations, and Inequalities**
  - **Content:** Advanced algebraic expressions, solving complex equations and inequalities.
  - **Key Concept:** Form
  - **Assessment:** Tests on advanced algebraic concepts, including multi-step problems.
3. **Unit 3: Functions and Graphing**
  - **Content:** Introduction to functions, graphing linear equations, and understanding function notation.
  - **Key Concept:** Relationships
  - **Assessment:** Graphing projects, tests on linear functions and graph interpretation.
4. **Unit 4: Geometry with Proofs and Applications**
  - **Content:** Applying the Pythagorean Theorem, understanding geometric proofs, and exploring transformations.
  - **Key Concept:** Space
  - **Assessment:** Geometry proofs, projects on transformations, and tests on geometric concepts.
5. **Unit 5: Statistics and Probability**
  - **Content:** Advanced data analysis, probability models, and compound events.
  - **Key Concept:** Relationships
  - **Assessment:** Data analysis projects, probability assessments, and real-world applications.
6. **Unit 6: Introduction to Algebraic Functions (Preparation for Algebra 1)**
  - **Content:** Overview of algebraic functions, linear relationships, and introductory quadratic functions.
  - **Key Concept:** Change
  - **Assessment:** Graphing and solving linear functions, introduction to quadratic concepts.
7. **Unit 7: Complex Numbers and Radical Expressions**
  - **Content:** Introduction to complex numbers, operations with radicals, and solving quadratic equations with complex solutions.



- **Key Concept:** Logic
  - **Assessment:** Problem sets on complex numbers and radicals, quizzes on solving quadratic equations.
8. **Unit 8: Advanced Probability and Statistics**
- **Content:** Exploring more advanced topics in probability, including permutations, combinations, and probability distributions.
  - **Key Concept:** Relationships
  - **Assessment:** Probability models, data analysis projects, and quizzes on advanced statistical concepts.
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## Sciences

### 7th Grade MYP Life Science Curriculum

**Textbook:** *Life Science* by Holt McDougal

#### Units of Inquiry:

1. **Unit 1: Cells: The Basic Unit of Life**
  - **Key Concept:** Systems
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How do cells function as the building blocks of life?
  - **Content:** Cell structure, function, and processes such as photosynthesis, respiration, and cell division.
  - **Assessment:** Microscope labs, cell models, quizzes on cell structure and function.
2. **Unit 2: Genetics and Heredity**
  - **Key Concept:** Change
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How are traits inherited and passed from one generation to the next?
  - **Content:** DNA structure, Mendelian genetics, Punnett squares, and genetic mutations.
  - **Assessment:** Genetic cross experiments, presentations on genetic traits, quizzes on DNA and heredity.
3. **Unit 3: Evolution and Natural Selection**
  - **Key Concept:** Change
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How do organisms adapt to their environment over time?



- **Content:** Darwin's theory of evolution, natural selection, evidence of evolution, and adaptation.
  - **Assessment:** Evolution research projects, natural selection simulations, quizzes on evolutionary theory.
4. **Unit 4: Classification of Living Organisms**
- **Key Concept:** Systems
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How and why do we classify living organisms?
  - **Content:** Taxonomy, classification systems, and characteristics of the five kingdoms of life.
  - **Assessment:** Classification charts, species research presentations, quizzes on taxonomy.
5. **Unit 5: Human Body Systems**
- **Key Concept:** Systems
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How do the human body systems work together to maintain health?
  - **Content:** Circulatory, respiratory, digestive, nervous, and musculoskeletal systems.
  - **Assessment:** Body system projects, quizzes on human anatomy, dissection labs (optional).
6. **Unit 6: Ecology and Ecosystems**
- **Key Concept:** Relationships
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How do organisms interact with each other and their environment?
  - **Content:** Food chains, food webs, energy flow, population dynamics, and ecosystems.
  - **Assessment:** Ecosystem models, reports on human impact on ecosystems, quizzes on energy flow and ecological relationships.
7. **Unit 7: Biomes and Biodiversity**
- **Key Concept:** Relationships
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How do different biomes support life, and what is the impact of human activity on biodiversity?
  - **Content:** Types of biomes (deserts, forests, grasslands, aquatic), biodiversity, and conservation.
  - **Assessment:** Biome research projects, biodiversity conservation presentations, quizzes on biomes and biodiversity.



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## 7th Grade MYP Civics

**Textbook:** *Civics: Government and Economics in Action* by Prentice Hall

### Units of Inquiry:

#### 1. Unit 1: Foundations of Government

- **Key Concept: Power**
- **Global Context: Fairness and Development**
- **Inquiry Question: How is power distributed in different forms of government?**
- **Content: Principles of democracy, types of government (monarchy, democracy, dictatorship), and the role of government in society.**
- **Assessment: Comparative essays on different forms of government, debates on the role of government, quizzes on government structures.**

#### 2. Unit 2: The Constitution and the Bill of Rights

- **Key Concept: Governance**
- **Global Context: Fairness and Development**
- **Inquiry Question: How does the U.S. Constitution protect individual rights and ensure fairness?**
- **Content: The U.S. Constitution, Bill of Rights, amendments, checks and balances, and the three branches of government.**
- **Assessment: Constitutional analysis essays, mock trials based on the Bill of Rights, quizzes on constitutional principles.**

#### 3. Unit 3: The Legislative Branch

- **Key Concept: Systems**
- **Global Context: Fairness and Development**
- **Inquiry Question: How does the legislative branch create laws that impact society?**
- **Content: The structure and function of Congress, how a bill becomes a law, the roles of the House of Representatives and the Senate.**
- **Assessment: Legislative simulations, bill creation projects, quizzes on Congress and the legislative process.**

#### 4. Unit 4: The Executive Branch

- **Key Concept: Power**
- **Global Context: Fairness and Development**



- **Inquiry Question: What powers does the president hold, and how do they impact government and society?**
  - **Content: The president's roles, the Cabinet, executive orders, and the powers of the president.**
  - **Assessment: Executive role-play scenarios, research on past presidents, quizzes on the executive branch.**
- 5. Unit 5: The Judicial Branch and the Supreme Court**
- **Key Concept: Justice**
  - **Global Context: Fairness and Development**
  - **Inquiry Question: How does the judicial branch interpret laws and ensure justice?**
  - **Content: Structure of the courts, the role of the Supreme Court, landmark cases, judicial review.**
  - **Assessment: Mock Supreme Court trials, case analysis essays, quizzes on landmark Supreme Court decisions.**
- 6. Unit 6: Citizenship and Civic Responsibility**
- **Key Concept: Responsibility**
  - **Global Context: Identities and Relationships**
  - **Inquiry Question: What are the rights and responsibilities of citizens in a democracy?**
  - **Content: Citizenship, civic duties, voting, political participation, and community service.**
  - **Assessment: Voter registration drives, community service projects, quizzes on the rights and duties of citizenship.**
- 7. Unit 7: Economic Systems and Government**
- **Key Concept: Economics**
  - **Global Context: Globalization and Sustainability**
  - **Inquiry Question: How do governments regulate and interact with the economy?**
  - **Content: Types of economic systems, the role of government in the economy, taxation, and fiscal policies.**
  - **Assessment: Economic simulations, research on government fiscal policies, quizzes on economic systems and government regulation.**



## **French Language Arts**

*Satisfies American foreign language criteria & IB requirement*

*Satisfies French Ministry standards requirements*

**Textbook & Workbook: *Mon manuel/cahier de Français - 5e cycle 4 by L'envol des Lettres, Belin***

### **Oral**

- Understand and interpret complex oral discourse (narrative, lecture, documentary program, news report, etc.).
- Develop and deliver a continuous oral presentation of five to ten minutes (presentation of a literary or artistic work, presentation of research results, reasoned defense of a point of view).
- Participate in a debate constructively, while respecting others' right to speak.
- Read a text aloud clearly and intelligibly; recite a literary text from memory; engage in a theatrical performance.

### **Reading**

- Read and understand a variety of texts, images, and composite documents independently, across different formats (paper, digital).
- Read, understand, and interpret literary texts, basing interpretation on a few simple analysis tools.
- Place literary texts in their historical and cultural context.
- Read an entire work and orally present a summary of the reading.
- For each level of the cycle, read and understand at least three complete works from the studied heritage in class, three complete works, including youth literature, for independent reading, and three sets of texts (analytical or independent reading).

### **Writing**

- Communicate in writing and across various formats (paper, digital) an emotion, a point of view, or a reasoned judgment while considering the audience and respecting the main norms of written language.
- Express in writing one's response to a literary or artistic work.
- Write, in response to a writing prompt, a creative piece within a literary genre from the curriculum, ensuring its coherence and respecting the main rules of written language.
- Use writing to reflect and provide oneself with working tools.

### **Understanding Language**



- Apply knowledge of spelling, syntax, and vocabulary in written and oral expression, as well as in text revision, in varied contexts.
- Be able to analyze the main components of a simple and complex sentence.
- Be able to spell common words correctly, conjugate verbs accurately, and apply agreement rules in nominal groups. self-awareness and empathy.

## **French Mathematics (for CNED Track Students)**

*Satisfies French Ministry standards requirements*

**Textbook/Workbook: *Maths Mission Indigo 5e cycle 4 by Hachette***

### **Numbers and Calculations**

Use numbers to compare, calculate, and solve problems.

Understand and apply the concepts of divisibility and prime numbers.

Use literal calculation.

- **Data Organization and Management, Functions**

Interpret, represent, and process data.

Understand and use basic concepts of probability.

Solve proportionality problems.

Understand and use the concept of functions.

- **Quantities and Measurements**

Calculate with measurable quantities; express results in appropriate units.

Understand the effect of certain transformations on geometric figures.

- **Space and Geometry**

Represent space.

Use plane geometry concepts to demonstrate.

- **Algorithms and Programming**

Write, develop, and execute a simple program.

## **Electives for International Track Students: (available on rotation)**

*Satisfies American-Florida elective criteria*

### **Community Service and Leadership**

- Students engage in community service projects, learning the importance of civic responsibility, leadership, and empathy. This elective often includes organizing events, fundraising, and volunteering.



## **Journalism and Media Studies**

- Students develop their writing, interviewing, and reporting skills while producing a school newspaper, blog, or podcast. They also learn about media ethics and the impact of journalism in society.

## **Public Speaking and Debate**

- This elective teaches students how to confidently speak in front of an audience, structure arguments, and engage in formal debates. It enhances communication, critical thinking, and persuasion skills.

## **Culinary Arts**

- In this class, students learn basic cooking techniques, food safety, and nutrition. This fun and practical elective helps students build life skills while exploring culinary creativity.

## **Model United Nations (MUN)**

- In this simulation of the United Nations, students role-play as delegates from various countries, debating global issues and learning about diplomacy, international relations, and problem-solving.

## **Psychology**

This elective introduces students to the basics of psychology, exploring topics like human behavior, emotions, brain functions, and mental health. It encourages

## **Visual Arts (mandatory 2 semesters for CNED Track students) (mandatory 1 semester for International Track students)**

*Satisfies American elective criteria and IB requirements*

*Satisfies French Ministry requirements*

- The program stresses visual imagery and the elements of art: line, shape, color, pattern, texture, and space. Assignments are structured and sequential, encouraging students to expand their artistic skills, broaden their visual perception, and develop facilities with a range of responses. By introducing influential artists, we teach art history in a dynamic, hands-on manner.





## **Music Theory & Piano (mandatory 2 semesters for CNED Track students) (mandatory 1 semester for International Track students)**

*Satisfies American elective criteria and IB requirements*

*Satisfies French Ministry requirements*

- The program offers the opportunity to participate in both Choral and Instrumental music, allowing students to deepen their interest in one or both areas. Students gain independence with music skills and secure their knowledge of musical concepts and historical background through experience, exploration and self-expression. Winter and Spring concerts provide public performance opportunities for Choral and Piano ensembles.

## **Physical Education & Health (1 semester)**

*Satisfies American-Florida elective criteria and IB requirements*

*Satisfies French Ministry requirements*

- This program fosters participation in physical activities by applying movement concepts and skills that the students can appreciate for the rest of their lives. The activities included target the physical, mental and social well being of the middle school student. Emphasis is placed on developing personal attitudes, behaviors, and values in addition to addressing health-related fitness concepts and their application towards a lifetime. Rules, strategies, and tactics of both individual and team sports will be included.

## **Digital Design-Computer Science (1 semester)**

*Satisfies American-Florida elective criteria and IB requirements*

- This course includes computer skills; digital publishing operations; layout, design, and measurement activities; and digital imaging as well as communication, collaboration and decision-making activities; critical thinking; and problem solving

### **Available to CNED Track Students ONLY:**

## **Histoire/Géographie/EMC (mandatory 2 semesters for CNED Track Students)**

*Satisfies French Ministry requirements - 3 hours/week*



**Textbook/Workbook: Histoire/Géographie/EMC 5e cycle 4 -collection Nathalie Plaza, by Hachette**

- *Orienting oneself in time: constructing historical points of reference*  
*Orienting oneself in space: constructing geographical points of reference*  
*Reasoning, justifying a process and the choices made*  
*Getting informed in the digital world*  
*Analyzing and understanding a document*  
*Using different forms of language in history and geography*  
*Cooperating and sharing*
- **History**  
**Theme 1:** *Christianities and Islam (6th-13th centuries), worlds in contact*  
**Theme 2:** *Society, Church, and political power in the feudal West (11th-15th centuries)*  
**Theme 3:** *Transformations of Europe and opening to the world in the 16th and 17th centuries*
- **Geography**
  - **Thème 1** *La question démographique et l'inégal développement*
  - **Thème 2** *Des ressources limitées, à gérer et à renouveler*
  - **Thème 3** *L'environnement, du local au planétaire.*

**EMC- Education Morale et Civique**

*Becoming aware of one's relationship with others and knowing how to accept differences while being conscious of the dignity and integrity of the human person.*

*Understanding the foundation of the principles and values of the French Republic and democratic societies.*

*Expressing one's opinion and respecting the opinions of others in a regulated discussion or debate.*

*Developing the ability for critical reflection to build one's judgment and differentiate personal interests from the common good.*

*Being responsible for one's own commitments, especially by cooperating in group work.*

*Building a sense of belonging to the community.*

*Engaging and taking on responsibilities within the institution and addressing aspects of collective life and the environment, while developing civic, social, and ecological awareness (the role and actions of eco-delegates in the institution and in the classroom).*

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## 8th Grade MYP Curriculum

### Language and Literature (Language Arts)

**Primary Textbook:** *Collections, Grade 8* by Houghton Mifflin Harcourt

#### Novels:

- *The Book Thief* by Markus Zusak
- *Animal Farm* by George Orwell
- *Refugee* by Alan Gratz

#### Units of Inquiry:

1. **Unit 1: Moral Dilemmas**
  - **Key Concept:** Ethics
  - **Global Context:** Fairness and Development
  - **Inquiry Question:** How do we navigate complex moral decisions?
  - **Assessment:** Analytical essays on ethical dilemmas, class debates.
2. **Unit 2: Voices of the Oppressed**
  - **Key Concept:** Voice
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How can literature give voice to marginalized groups?
  - **Assessment:** Analytical essays, presentations on authors and historical contexts.
3. **Unit 3: The Power of Persuasion**
  - **Key Concept:** Power
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How is rhetoric used to influence others?
  - **Assessment:** Rhetorical analysis of speeches, creation of persuasive multimedia presentations.
4. **Unit 4: Global Narratives**
  - **Key Concept:** Perspective
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How do global narratives shape our understanding of history and culture?
  - **Assessment:** Comparative essays on global texts, research projects on cross-cultural themes.
5. **Unit 5: Utopias and Dystopias**
  - **Key Concept:** Change
  - **Global Context:** Globalization and Sustainability



- **Inquiry Question:** How do utopian and dystopian narratives explore societal ideals and fears?
  - **Assessment:** Creative writing projects, analytical essays on utopian and dystopian themes.
6. **Unit 6: Identity and Transformation**
- **Key Concept:** Identity
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How do experiences shape personal and cultural identity?
  - **Assessment:** Personal essays, character studies, presentations on identity transformation in literature.
7. **Unit 7: Literature and Historical Context**
- **Key Concept:** Perspective
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How does historical context influence the themes and characters in literature?
  - **Assessment:** Research projects on historical settings in literature, analytical essays on the impact of history on narrative development.
8. **Unit 8: The Role of the Outsider**
- **Key Concept:** Perspective
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** How does the perspective of the outsider reveal truths about society?
  - **Assessment:** Comparative essays on characters as outsiders, creative projects exploring outsider perspectives.
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## Mathematics

### Primary Textbooks:

- Regular Track: *Dimensions Math 8A and 8B* by Singapore Math Inc.
- Honors Track: *Dimensions Math Algebra 1* by Singapore Math Inc. or a similar Algebra 1 textbook.

### Units of Inquiry (Regular Track):

1. **Unit 1: The Number System and Real Numbers**
  - **Content:** Understanding and operating with real numbers, including irrational numbers.
  - **Key Concept:** Logic



- **Assessment:** Problem sets on operations with real numbers, quizzes on radicals and irrational numbers.
- 2. **Unit 2: Expressions, Equations, and Inequalities**
  - **Content:** Solving complex equations and inequalities, including systems of equations.
  - **Key Concept:** Form
  - **Assessment:** Tests on solving multi-step equations, including real-world applications.
- 3. **Unit 3: Functions and Linear Relationships**
  - **Content:** Graphing linear equations, understanding slope, and interpreting functions.
  - **Key Concept:** Relationships
  - **Assessment:** Graphing projects, quizzes on linear functions and slope interpretation.
- 4. **Unit 4: Geometry and Spatial Reasoning**
  - **Content:** Exploring transformations, congruence, similarity, and the Pythagorean Theorem.
  - **Key Concept:** Space
  - **Assessment:** Geometry projects, tests on transformations and geometric reasoning.
- 5. **Unit 5: Statistics and Probability**
  - **Content:** Analyzing data, understanding probability models, and solving compound probability problems.
  - **Key Concept:** Relationships
  - **Assessment:** Data analysis projects, probability experiments, and assessments.
- 6. **Unit 6: Linear Equations and Graphs**
  - **Content:** Solving and graphing linear equations, understanding the relationship between linear equations and their graphs.
  - **Key Concept:** Relationships
  - **Assessment:** Graphing projects, quizzes on solving and interpreting linear equations.
- 7. **Unit 7: Advanced Geometry Concepts**
  - **Content:** Exploring advanced geometry topics such as circles, volume, and surface area of three-dimensional shapes.
  - **Key Concept:** Space
  - **Assessment:** Geometry projects, tests on volume and surface area, and problem-solving tasks involving three-dimensional shapes.
- 8. **Unit 8: Introduction to Algebraic Functions**
  - **Content:** Exploring algebraic functions, including linear, quadratic, and exponential functions.



- **Key Concept:** Change
- **Assessment:** Function graphing projects, quizzes on different types of functions, problem-solving tasks.

### Units of Inquiry (Honors Track):

#### 1. Unit 1: Foundations of Algebra

- **Content:** Understanding algebraic expressions, operations with polynomials, and factoring techniques.
- **Key Concept:** Logic
- **Assessment:** Tests on algebraic expressions, factoring polynomials, and solving basic algebraic equations.

#### 2. Unit 2: Linear Functions and Graphing

- **Content:** Graphing linear equations, understanding slope-intercept form, and solving systems of linear equations.
- **Key Concept:** Relationships
- **Assessment:** Graphing projects, tests on linear functions, and systems of equations.

#### 3. Unit 3: Quadratic Functions and Equations

- **Content:** Understanding quadratic functions, solving quadratic equations using various methods (factoring, completing the square, quadratic formula).
- **Key Concept:** Change
- **Assessment:** Graphing quadratic functions, solving quadratic equations, and real-world applications.

#### 4. Unit 4: Polynomials and Factoring

- **Content:** Operations with polynomials, factoring techniques, and solving polynomial equations.
- **Key Concept:** Form
- **Assessment:** Problem sets on polynomial operations, tests on factoring and solving polynomial equations.

#### 5. Unit 5: Radical Expressions and Equations

- **Content:** Simplifying radical expressions, solving radical equations, and understanding the properties of radicals.
- **Key Concept:** Logic
- **Assessment:** Quizzes on radical expressions, problem sets on solving radical equations.

#### 6. Unit 6: Advanced Algebraic Concepts

- **Content:** Introduction to exponential functions, systems of equations with inequalities, and an overview of rational functions.
- **Key Concept:** Relationships



- **Assessment:** Projects on exponential growth/decay, tests on systems of equations, and introduction to rational functions.
  - 7. **Unit 7: Introduction to Trigonometry**
    - **Content:** Basic trigonometric ratios, solving right triangles, and applying trigonometry to real-world problems.
    - **Key Concept:** Space
    - **Assessment:** Trigonometry projects, quizzes on trigonometric ratios, problem-solving tasks involving right triangles.
  - 8. **Unit 8: Complex Numbers and Algebraic Functions**
    - **Content:** Introduction to complex numbers, operations with complex numbers, and exploring their applications in algebraic functions.
    - **Key Concept:** Change
    - **Assessment:** Problem sets on complex numbers, quizzes on algebraic functions involving complex solutions.
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## Sciences

**Textbook:** *Physical Science* by Glencoe/McGraw-Hill

### Units of Inquiry:

1. **Unit 1: Matter and Its Properties**
  - **Key Concept:** Change
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How do the properties of matter affect its interactions?
  - **Content:** States of matter, atomic structure, elements, compounds, and mixtures.
  - **Assessment:** Lab experiments on states of matter, atomic structure models, quizzes on elements and compounds.
2. **Unit 2: Chemical Reactions and Bonding**
  - **Key Concept:** Change
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How do substances change during chemical reactions?
  - **Content:** Chemical bonds, types of chemical reactions, the periodic table, acids, and bases.
  - **Assessment:** Chemical reaction lab reports, periodic table projects, quizzes on bonding and reactions.
3. **Unit 3: Forces and Motion**



- **Key Concept:** Relationships
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How do forces affect the movement of objects?
  - **Content:** Newton's laws of motion, speed, velocity, acceleration, and friction.
  - **Assessment:** Force and motion experiments, Newton's laws application projects, quizzes on forces and motion.
4. **Unit 4: Energy: Forms and Transfer**
- **Key Concept:** Energy
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How is energy transferred and transformed in different systems?
  - **Content:** Types of energy (kinetic, potential), energy transfer, heat, and work.
  - **Assessment:** Energy transformation projects, quizzes on types of energy and energy transfer.
5. **Unit 5: Electricity and Magnetism**
- **Key Concept:** Systems
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How do electricity and magnetism interact to create useful technology?
  - **Content:** Electric circuits, current, voltage, resistance, electromagnetism.
  - **Assessment:** Circuit-building projects, experiments with magnets, quizzes on electricity and magnetism.
6. **Unit 6: Light, Sound, and Waves**
- **Key Concept:** Energy
  - **Global Context:** Scientific and Technical Innovation
  - **Inquiry Question:** How do waves transfer energy?
  - **Content:** Properties of waves, light waves, sound waves, the electromagnetic spectrum.
  - **Assessment:** Wave experiments, presentations on sound and light waves, quizzes on wave properties.
7. **Unit 7: The Structure of the Universe**
- **Key Concept:** Time, Place, and Space
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** What do we know about the structure and evolution of the universe?
  - **Content:** Stars, galaxies, the Big Bang theory, black holes, and space exploration.
  - **Assessment:** Research projects on space phenomena, quizzes on stars and galaxies, reports on space exploration.





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## 8th Grade MYP American History

**Textbook:** *American History: Beginnings Through Reconstruction* by Houghton Mifflin Harcourt

### Units of Inquiry:

1. **Unit 1: Native American Societies Before European Contact**
  - **Key Concept:** Time, Place, and Space
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How did geography shape Native American societies before European contact?
  - **Content:** The diversity of Native American cultures, environmental adaptations, and regional differences.
  - **Assessment:** Map-based projects on Native American regions, research reports on specific tribes, quizzes on Native American cultures.
2. **Unit 2: European Exploration and Colonization**
  - **Key Concept:** Global Interactions
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How did European exploration and colonization impact the Americas and its indigenous peoples?
  - **Content:** Early exploration, the Columbian Exchange, the establishment of colonies, and the effects on Native populations.
  - **Assessment:** Columbian Exchange analysis essays, colony simulations, quizzes on the explorers and their impacts.
3. **Unit 3: The Road to Independence**
  - **Key Concept:** Change
  - **Global Context:** Fairness and Development
  - **Inquiry Question:** What factors led the American colonies to seek independence from Britain?
  - **Content:** Taxation, the Boston Tea Party, the Declaration of Independence, and the Revolutionary War.
  - **Assessment:** Debates on colonial taxation, Declaration of Independence analysis, quizzes on key events leading to the revolution.
4. **Unit 4: The Revolutionary War**
  - **Key Concept:** Power
  - **Global Context:** Orientation in Space and Time
  - **Inquiry Question:** How did the American colonies achieve victory over Britain?



- **Content:** Major battles, key figures, strategies, and foreign assistance during the Revolutionary War.
  - **Assessment:** Revolutionary War battle maps, research projects on key Revolutionary figures, quizzes on major battles.
5. **Unit 5: The Constitution and the New Republic**
- **Key Concept:** Governance
  - **Global Context:** Fairness and Development
  - **Inquiry Question:** How did the U.S. Constitution establish a lasting framework for governance?
  - **Content:** The Articles of Confederation, the Constitutional Convention, the Bill of Rights, and the establishment of the federal government.
  - **Assessment:** Constitution analysis essays, Federalist and Anti-Federalist debates, quizzes on the Bill of Rights and the Constitution.
6. **Unit 6: Westward Expansion and Manifest Destiny**
- **Key Concept:** Expansion
  - **Global Context:** Globalization and Sustainability
  - **Inquiry Question:** How did the idea of Manifest Destiny influence westward expansion in the United States?
  - **Content:** The Louisiana Purchase, Lewis and Clark, the Oregon Trail, the impact on Native Americans, and the Gold Rush.
  - **Assessment:** Westward expansion timelines, maps of territorial acquisitions, quizzes on Manifest Destiny.
7. **Unit 7: Civil War and Reconstruction**
- **Key Concept:** Conflict
  - **Global Context:** Identities and Relationships
  - **Inquiry Question:** What were the causes and consequences of the Civil War and the Reconstruction era?
  - **Content:** Causes of the Civil War, major battles, emancipation, the Reconstruction era, and its effects on the South.
  - **Assessment:** Civil War battle reports, Reconstruction debates, quizzes on key events during the Civil War and Reconstruction.

## **French Language Arts**

*Satisfies American foreign language criteria & IB requirement*

*Satisfies French Ministry standards requirements*

**Textbook & Workbook: *Mon manuel/cahier de Français - 4e cycle 4 by L'envol des Lettres, Belin***



## Oral

- Understand and interpret complex oral discourse (narrative, lecture, documentary program, news report, etc.).
- Develop and deliver a continuous oral presentation of five to ten minutes (presentation of a literary or artistic work, presentation of research results, reasoned defense of a point of view).
- Participate in a debate constructively, while respecting others' right to speak.
- Read a text aloud clearly and intelligibly; recite a literary text from memory; engage in a theatrical performance.

## Reading

- Read and understand a variety of texts, images, and composite documents independently, across different formats (paper, digital).
- Read, understand, and interpret literary texts, basing interpretation on a few simple analysis tools.
- Place literary texts in their historical and cultural context.
- Read an entire work and orally present a summary of the reading.
- For each level of the cycle, read and understand at least three complete works from the studied heritage in class, three complete works, including youth literature, for independent reading, and three sets of texts (analytical or independent reading).

## Writing

- Communicate in writing and across various formats (paper, digital) an emotion, a point of view, or a reasoned judgment while considering the audience and respecting the main norms of written language.
- Express in writing one's response to a literary or artistic work.
- Write, in response to a writing prompt, a creative piece within a literary genre from the curriculum, ensuring its coherence and respecting the main rules of written language.
- Use writing to reflect and provide oneself with working tools.

## Understanding Language

- Apply knowledge of spelling, syntax, and vocabulary in written and oral expression, as well as in text revision, in varied contexts.
- Be able to analyze the main components of a simple and complex sentence.
- Be able to spell common words correctly, conjugate verbs accurately, and apply agreement rules in nominal groups. self-awareness and empathy.



## **French Mathematics (for CNED Track Students)**

*Satisfies French Ministry standards requirements*

**Textbook/Workbook: *Maths Indigo 3e cycle 4 by Hachette***

- **Numbers and Calculations**  
Use numbers to compare, calculate, and solve problems.  
Understand and apply the concepts of divisibility and prime numbers.  
Use literal calculation.
- **Data Organization and Management, Functions**  
Interpret, represent, and process data.  
Understand and use basic concepts of probability.  
Solve proportionality problems.  
Understand and use the concept of functions.
- **Quantities and Measurements**  
Calculate with measurable quantities; express results in appropriate units.  
Understand the effect of certain transformations on geometric figures.
- **Space and Geometry**  
Represent space.  
Use plane geometry concepts to demonstrate.
- **Algorithms and Programming**  
Write, develop, and execute a simple program.

## **Electives for International Track students (available on rotation):**

*Satisfies American-Florida elective criteria*

### **Community Service and Leadership**

- Students engage in community service projects, learning the importance of civic responsibility, leadership, and empathy. This elective often includes organizing events, fundraising, and volunteering.

### **Journalism and Media Studies**

- Students develop their writing, interviewing, and reporting skills while producing a school newspaper, blog, or podcast. They also learn about media ethics and the impact of journalism in society.



## Public Speaking and Debate

- This elective teaches students how to confidently speak in front of an audience, structure arguments, and engage in formal debates. It enhances communication, critical thinking, and persuasion skills.

## Culinary Arts

- In this class, students learn basic cooking techniques, food safety, and nutrition. This fun and practical elective helps students build life skills while exploring culinary creativity.

## Model United Nations (MUN)

- In this simulation of the United Nations, students role-play as delegates from various countries, debating global issues and learning about diplomacy, international relations, and problem-solving.

## Psychology

- This elective introduces students to the basics of psychology, exploring topics like human behavior, emotions, brain functions, and mental health. It encourages self-awareness and empathy.

## Visual Arts (mandatory 2 semesters for CNED Track students)

Satisfies American-Florida elective criteria and IB requirements

Satisfies French Ministry standards requirements

- The program stresses visual imagery and the elements of art: line, shape, color, pattern, texture, and space. Assignments are structured and sequential, encouraging students to expand their artistic skills, broaden their visual perception, and develop facilities with a range of responses. By introducing influential artists, we teach art history in a dynamic, hands-on manner.

## Music Theory & Piano (mandatory 2 semesters for CNED Track students)

Satisfies American-Florida elective criteria and IB requirements

Satisfies French Ministry standards requirements



- The program offers the opportunity to participate in both Choral and Instrumental music, allowing students to deepen their interest in one or both areas. Students gain independence with music skills and secure their knowledge of musical concepts and historical background through experience, exploration and self-expression. Winter and Spring concerts provide public performance opportunities for Choral and Piano ensembles.

## **Physical Education & Health (1 semester)**

*Satisfies American-Florida elective criteria and IB requirements*

- This program fosters participation in physical activities by applying movement concepts and skills that the students can appreciate for the rest of their lives. The activities included target the physical, mental and social well being of the middle school student. Emphasis is placed on developing personal attitudes, behaviors, and values in addition to addressing health-related fitness concepts and their application towards a lifetime. Rules, strategies, and tactics of both individual and team sports will be included.

## **Product Design (1 semester)**

*Satisfies American-Florida elective criteria and IB requirements*

- Students analyze and communicate the specifications of the product to be created. Exploring methods for generation designs for the product. Creating a plan and timeline with logical steps. Exploring a variety of tools and methods for creating the product.

## **Available to CNED Track Students ONLY:**

### **Histoire/Géographie/EMC (mandatory 2 semesters for CNED Track Students)**

*Satisfies French Ministry requirements - 3 hours/week*

***Textbook/Workbook: Histoire/Géographie/EMC 5e cycle 4 -collection Nathalie Plaza, by Hachette***

- *Orienting oneself in time: constructing historical points of reference*  
*Orienting oneself in space: constructing geographical points of reference*  
*Reasoning, justifying a process and the choices made*  
*Getting informed in the digital world*  
*Analyzing and understanding a document*  
*Using different forms of language in history and geography*  
*Cooperating and sharing*



## **History**

*Theme 1: The 18th Century: Expansions, Enlightenment, and Revolutions*

- *Theme 2: Europe and the World in the 19th Century*
- *Theme 3: Society, Culture, and Politics in 19th-Century France*

## **Géographie**

- *Thème 1 L'urbanisation dans le monde*
- *Thème 2 Les mobilités humaines transnationales*
- *Thème 3 Des espaces transformés par la mondialisation*

## **EMC- Education Morale et Civique**

*Becoming aware of one's relationship with others and knowing how to accept differences while being conscious of the dignity and integrity of the human person.*

*Understanding the foundation of the principles and values of the French Republic and democratic societies.*

*Expressing one's opinion and respecting the opinions of others in a regulated discussion or debate.*

*Developing the ability for critical reflection to build one's judgment and differentiate personal interests from the common good.*

*Being responsible for one's own commitments, especially by cooperating in group work.*

*Building a sense of belonging to the community.*

*Engaging and taking on responsibilities within the institution and addressing aspects of collective life and the environment, while developing civic, social, and ecological awareness (the role and actions of eco-delegates in the institution and in the classroom).*