Michael M. Byrne Elementary

Vision
At Byrne School, all students are provided a challenging education in a safe, innovative and multicultural environment.

Mission
Byrne Elementary aspires to develop global thinkers in a multicultural society where they will be productive, inquisitive, and life-long learners. We aim to develop critical thinkers with multicultural awareness. Our students will be productive, knowledgeable, balanced, principled and reflective life-long learners who positively impact their community, country and world.
What is the IB Program?

The IB Mission Statement

The International Baccalaureate aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect.

To this end the organization works with schools, governments and international organizations to develop challenging programmes of international education and rigorous assessment.

These programmes encourage students across the world to become active, compassionate and lifelong learners who understand that other people, with their differences, can also be right.
IB is...

- An enriched approach to learning using a global perspective
- Interdisciplinary and project-based learning
- Emphasis on 21st century skills
- Focus on community service
- High expectations, active learning, and learner focused teaching philosophy
Levels of IB Programs

- The Diploma Programme (DP) for students aged 16-19
- The Middle Years Programme (MYP) for students aged 11-16
- The Primary Years Programme (PYP) for pupils aged 3-12
The IB Learner Profile

- Thinkers
- Inquirers
- Knowledgeable
- Principled
- Open-minded
- Risk-takers
- Communicators
- Caring
- Balanced
- Reflective
Video: IB Middle Years Programme

The IB Middle Years Programme

Minutes: 3:15 minutes

Video link: https://youtu.be/IEXfviHlo4M
The IB Program strengthens Byrne’s middle school by:

- Provides a pathway to success at secondary and postsecondary levels
- Supports 21st century skills and positive behavior
- Emphasizes community service, hands-on projects, and inquiry-based learning
MYP Curriculum

- Does not replace the current curriculum, but rather enhances it
- Fosters creativity for both students and teachers
- Complements Common Core Standards
IB Key Learning Principles

● A process; not a product

● Learning is a developmental path

● Learning should be:
  ● *Rigorous*
  ● *Challenging*
  ● *Engaging*

● Learning is collaborative
8 IB Subject Groups

- Language and Literature (Language Arts)
- Mathematics
- Individuals and Societies (Social Studies)
- Science
- Language Acquisition- Spanish
- Physical and Health Education
- Arts: Visual Arts and Music
- Design
The Middle Years Programme (MYP) sciences framework encourages students to investigate issues through research, observation and experimentation, working independently and collaboratively.

We will combine STEAM (science, technology, engineering, art and math) into classroom practice while following the state standards.

Quarter 1 will consist mostly of Scientific Inquiry and Science Fair. Students are encouraged to turn in portions of their research paper every week, beginning next week. Please be sure to ask your child about their progress throughout the process. A timeline will be given out next week.

Quarter 2 will have students exploring Plate Tectonics, and Geology.

In Quarter 3, students will learn about Phase Changes, and Chemical Reactions.

The Fourth Quarter will cover Populations, and Ecosystems.
Language and Literature (Language Arts)

Unit 1: Characterization/Choices & Consequences
- Novel- The Outsiders by S.E Hinton
- Vocabulary- greek and latin roots
- Article of the week
- Close reading, journaling, quotes and analysis, character trait claims with textual evidence and reasoning, collaborative conversations
- Character development analysis

Unit 2: Theme/Conflict
- Close reading
- Syllabus, journaling, quotes and analysis, text-dependent questions, writing about reading, collaborative conversations/book talks
- Theme analysis essay

Unit 3: Author’s Purpose/Holocaust
- My Mother’s Secret by J.L Witterick, We Are Witnesses by Jacob Boas, Night by Elie Wiesel, Milkweed, The Boy in the Striped Pajamas
- Close reading
- Syllabus, journaling quotes and analysis, text-dependent questions, writing about reading, collaborative conversations
- Argumentative writing

Unit 4: Overcoming Adversity
- Tears of a Tiger by Sharon Draper
- Forged by Fire by Sharon Draper
Mathematics

Overview:

- **Rational Numbers**
  - Graphing
  - Applying Integer Rules to Rational Number
- **Ratios, Proportions, and Percents**
  - Constant of Proportionality, Unit Rate
  - Percent
- **Algebra**
  - Expression
  - Equations
  - Inequalities
- **Geometry**
  - Special Angle Pairs
  - Circles
  - Surface Area, Volume
- **Probability and Statistics**
Individuals and Societies (Social Studies)

- **Topics covered**: Colonization & Early Colonial America, American Revolution, US Constitution, & the Holocaust
- **Weekly current events time in class**: local, state, national, and international topics (2019 primaries as an example)
- **US Constitution**:
  - After winter break
  - 2.5-3 month long unit
  - Most work of any unit
  - Need a 70% or higher to pass the test and move on to 8th grade (can retake)
- **Class activities**: primary source analysis, article analysis, text dependent questions, note-taking, socratic seminars, small table discussions
Language Acquisition: Spanish

In our global community, acquisition of a second language is crucial to future success.

The primary aim of Language B is to encourage students to gain competence in a second language.

Click HERE for link
Arts: Visual Arts and Music

- Encourages creative energy, communication, interaction, and reflection
- Organizes learning around the creative cycle
- Aims to help the student become a developing artist
Arts

Throughout the MYP your child will have the opportunity to be exposed to more than one subject in the Fine Arts:

- Visual Arts
- Music
Design

- By studying design technology, students become aware of the design process through collaborative problem solving.
- Students find solutions to real-world, authentic problems.
Physical and Health Education

- Physical Education
  - MYP
  - Uniforms/Sweaters

- Health Education
  - Units: Nutrition, Components of Health, ATOD, Anatomy
  - Sex Education
IB MYP Implementation Timeline

2017-2018 School Year
Initial Phase of Teacher Professional Development

IB Candidate School Status
- Ongoing teacher professional development
- IB philosophy further incorporated into curriculum

Summer 2020
Anticipation of Authorization as an IB School
Middle School students will have 45 mins a week of SEL classes with the School Counselor. These classes consist of:

**SEL topics include:**
- Communication skills
- Emotional management
- Peer pressure, bullying and cyber bullying

**High School Options**
- Differences between public, charter, magnet and private schools
- Difference between IB and Honors

**GoCPS:**
- How does this whole process work

**Naviance**
- Goal setting
- Career exploration
- High School readiness