



Beacon Academy Curriculum Overview

| Core Areas of Focus | | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|--|--|--|----------|--|----------|
| STEM Foundations | Science | Integrated Science: A two-year integrated study of the sciences in which students gain an understanding of the foundations in biology, chemistry, and physics by planning and conducting scientific investigations, evaluating results, and drawing real world connections to their conclusions | | IB Standard Level (SL) and Higher Level (HL) courses in Biology, Chemistry, Physics, and Environmental Systems and Societies (SL only) | |
| | Mathematics | Integrated Math: Leveled (Math 1-4) courses covering concepts in algebra, geometry, trigonometry, pre-calculus, probability, and statistics that emphasize mathematical reasoning, critical thinking, and problem solving | | IB Math Studies SL and IB Mathematics SL and HL | |
| | Electives in Technology | A variety of electives available in technology and design, including Coding, Advanced Coding, and Project Studio | | Math electives, including Statistics and Advanced Algebra | |
| Synthesis and Perspective in Humanities and the Arts | English Language and Literature | American Literature: A two-year seminar-style course in which students read, analyze, and discuss challenging, thought-provoking literature and sharpen their skills as critical, effective writers | | IB English HL | |
| | History, Philosophy, and Social Sciences | American History: A two-year course that addresses critical events, concepts, and issues in U.S. history through which students investigate a number of central themes: political and social revolutions, industrialization and its outcomes, movement of peoples, and the nature of culture | | IB History HL, IB Philosophy HL, and IB Environmental Systems and Societies SL | |
| | World Languages | Leveled (1-4) world language courses with the primary goal of fostering the language acquisition process necessary for students to become proficient in Arabic, Spanish and/or French and improve four key language skills: listening, speaking, reading, and writing | | IB <i>ab initio</i> , SL, and HL courses in French and Spanish | |
| | Fine and Performing Arts | Art electives in visual and performing arts, including Studio Art, Theatre, Choir, Music Studio, Music Production, Digital Photography | | IB SL and HL courses in Visual Arts and Theatre | |
| Character, Service, and Lifelong Learning | Interim | Offered twice a year, interims are weeklong experiential learning opportunities for students and faculty who collaborate in the planning and experience of mini-courses or local/international trips. Interims reflect our commitment to providing opportunities for true exploration of student interest. | | | |
| | IB Diploma Programme | The three core elements of the IB Diploma Programme, Theory of Knowledge (TOK) the Extended Essay (EE), and Creativity, Action, Service (CAS), aim to broaden and deepen students' educational experience and challenge them to apply their knowledge and skills as they actively engage in the communities around them. | | | |
| | Mindfulness, Health, and Wellness | The social and emotional development of students is a hallmark of the Montessori philosophy of education. Student mindfulness activities are integrated into the fabric of students' academic pursuits on a daily basis and provide the opportunity for awareness and reflection. Our physical education curriculum focuses on physical wellness, as well as emphasizing the importance of responsible decision making and healthy lifestyles. Our athletics department also offers a wide range of boys' and girls' interscholastic sports. | | | |
| | Service Learning | Beacon Academy's robust service learning program provides students an opportunity to serve while becoming knowledgeable in specific areas of interest. A broad range of opportunities are offered throughout the year to serve local and global communities through our partnerships with dozens of non-profit organizations, including trips to Haiti, Costa Rica, and Colombia | | | |
| | Student Activities | Beacon offers many student-led clubs, including: Model United Nations, Science Olympiad, Pride Party, Scholastic Bowl, Math Club, Jewish Cultural Club, robotics, newspaper, yearbook, literary arts magazine, . | | | |
| | Advisory | The student-advisor relationship is the bedrock of our student experience. Advisories meet as a group regularly during the school week, and advisors attend to the whole person when dealing with their advisees and serve as their advocate and confidante. | | | |