

# CURRICULUM

## ENGLISH DEPARTMENT CHAIR: Ahuva Reichman



The English curriculum at Ilan is a four-year course of study designed to develop essential skills and nurture our students' curiosity and love of scholarship. Our students graduate as confident, college-ready young women who possess the knowledge and critical thinking skills needed to

navigate the issues of the day.

Throughout the four years, our students focus on developing the skills of reading closely, thinking critically and writing clearly. Students focus on character development and theme, as well as the author's craft, considering the choices the author makes about text structure and language and how those choices contribute to the overall meaning of the text. They continue on to analyze multiple themes and trace how they develop over the course of the text and consider author's choices. In writing, our students write argument papers and explanatory essays, where they focus on meaning, development and organization, and personal narrative. In eleventh and twelfth grade, our students continue to develop their writing skills, with an emphasis on style and conventions, as well as sequencing, pacing, dialogue and other narrative techniques.

Our students use their sharpened thinking skills to contemplate issues central to their lives, such as the conflict between individuality and conformity, the value of self-awareness over self-delusion, and the pursuit of the American dream and its dangers. Through their course of study, Ilan students gain a deep understanding of the world around them and their place in it.

### *Courses:*

- **Introduction to Literature**
- **World Literature I**
- **World Literature II**
- **American Literature**
- **British Literature**
- **Public Speaking**
- **AP English Language and Composition**



## HISTORY DEPARTMENT CHAIR: Molly Hazan

The history department at Ilan aims to teach students to examine history from all perspectives to fully understand the depth of the ideas presented. They will analyze the social, economic, and political nature of the countries in Europe and America and be asked to conduct original research, interpret historical documents, and articulate persuasive and well-structured arguments.

Over the three year course, students develop skills to help them analyze, research, and argue. They will be able to identify and examine the structure of the government and how it has evolved over time, distill and summarize information, analyze and interpret graphs, maps, diagrams, timelines, and political cartoons. Teachers use primary and secondary sources so that students will be able to analyze and evaluate the message and validity of the sources relating to the subject matter being taught. They will collaborate on short and long-term projects using innovative and interactive technology, write summaries, thematic essays, and document based essays, preparing them for any higher education they aspire to.



### *Courses:*

- **World History**
- **American History I**
- **American History II**
- **Current Events and Contemporary Issues (elective)**
- **Social Psychology (elective)**
- **American Government and Political Science (electives)**
- **AP US Government and Politics**
- **AP American History**



*"Through their course of study, Ilan girls gain a deep understanding of the world around them and their place in it."*

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**MATH DEPARTMENT CHAIR:**  
**Mrs. Lauren Kadi and**  
**Mrs. Bayla Stein**

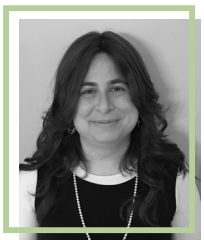


The mathematics department at Ilan High School focuses on incorporating the most innovative philosophies of math education to create a learning experience that will continue with your daughter throughout her years in school and beyond. Our goal is to create lifelong learners, independent thinkers, and creative problem solvers.

The curriculum spans Algebra 1 through AP Calculus. The girls are placed into one of our four tracks based on their individual abilities and previously attained knowledge. In addition to the standardized test prep that is incorporated into our curriculum, in eleventh grade, all students will be given the opportunity to participate in our specialized SAT/ACT Prep course to help prepare them for their college entrance exams.

The girls develop the ability to approach and solve mathematical problems with understanding and confidence. They will master mathematical concepts and abstract reasoning as critical components in mastering higher math and science courses. We are providing students with the background necessary for success in any science or math based career.

**SCIENCE DEPARTMENT CONSULTANT:**  
**Dr. Bracha Erblich**



Consistent with the overall mission and goals of Ilan high school, the science department aims to provide each individual girl with an exciting and meaningful hands-on opportunity to broaden their scientific knowledge, skills and interests. Courses, along with their laboratory modules, include: Biology (9), Chemistry (10), Engineering (9 & 10), AP biology (11), Environmental Science (11), Physics (12), Nutrition (12), AP Psychology (12), Psychology (12) and Forensic science (12). The diversity of coursework gives students the opportunity for scientific exploration while ensuring that they gain fundamental skills and understanding of scientific inquiry and principles. This broad understanding ensures that our students are prepared for higher education and for any career in science that they may choose to endeavor.

In our science classes, students learn to develop their inquiring minds and curiosity about science and the natural world. They acquire knowledge, conceptual understanding and the ability to think analytically, critically, and creatively to solve problems and make informed decisions in scientific and other contexts. The girls learn to communicate scientific ideas, arguments and practical experiences accurately in a variety of ways, both in writing and verbally. Most importantly, students demonstrate attitudes and develop values of honesty and respect for themselves, others, and their shared environment.

## *Courses:*

- **Accelerated:**
  - Algebra 2
  - Geometry
  - Precalculus
  - AP Calculus
- **Honors:**
  - Algebra 1
  - Geometry
  - Algebra 2
  - Precalculus
- **Standard:**
  - Algebra 1
  - Geometry
  - Algebra 2
  - Math for Personal Finance
- **Basic:**
  - Algebra 1A
  - Geometry
  - Algebra 1B
  - Algebra 2

## *Courses:*

- Biology
- Chemistry
- Engineering
- Environmental Science
- Physics
- Developmental Psychology
- Forensic Science
- Nutrition
- AP Biology
- AP Environmental Science
- AP Psychology

