



Technology Learning Objectives

Preparing students for the technological world in which they live is of extraordinary importance at Hillel Academy. Students use laptops and iPads sparingly in primary school and increase their use as they matriculate. iPads in particular are tactile and intuitive and young children are easily motivated by them. However, we do not support much time in front of screens at this early age.

Beginning in 3rd-grade students are given their own laptop and begin their formal education of technology with digital citizenship and learning G-Suite tools. In 4th grade, students learn to code using MIT's Scratch program. 5th and 6th-grade students exercise their creative license by building anything they can dream up in Maker Lab. In 7th-grade students explore the world of multimedia and create podcasts. In 8th-grade, students build robots and compete in challenges. Teachers capitalize on the tools students have access to and their knowledge of them by integrating technology into their lessons.

Grade Level Technology Objectives

Kindergarten

- Students...
 - Use a variety of early learning reading and math apps on I pads
 - Are enrolled in and monitored on their own Reading Eggs and IXL accounts for individualized learning
 - Learn about proper iPad and laptop care and usage

First Grade

- Students...
 - Use Google Slides to create original research presentations (while working with older Hillel students)
 - Continue to use Reading Eggs and IXL accounts for individualized learning
 - Are enrolled in and monitored on their own iTalAm accounts for individualized learning

Second Grade

- Students...
 - Use Google Slides to create original research presentations (while working with older Hillel students)
 - Continue to use Reading Eggs, IXL, and iTalAm accounts for individualized learning

Third Grade

- Students
 - Complete a digital citizenship course and are assigned their personal laptop computer
 - Learn G-Suite productivity tools such as Sheets, Slides, Docs, and Gmail
 - Begin to use technology to locate, research, organize, analyze, and evaluate information from a variety of sources and media
 - Plan and develop a complete research paper or project using their individual GoogleDoc account
 - Continue to use IXL and iTalAm for individualized learning

Fourth Grade

- Students...
 - Complete a keyboarding class
 - Utilize MIT's Scratch coding program to learn how to program software
 - Continue G-Suite productivity tools such as Sheets, Slides, Docs, and Gmail
 - Complete a reliable resources class to be able to advocate and practice safe, legal, and responsible use of information and technology
 - Continue to use IXL and iTalAm for individualized learning

Fifth Grade

- Students...
 - Continue G-Suite productivity tools such as Sheets, Slides, Docs, and Gmail
 - Continue to use IXL and iTalAm for individualized learning
 - Are active participants in MakerLab, where students are given the freedom to explore and create projects within a S.T.E.A.M. (Science, Technology, Engineering, Art and Mathematics) framework. Projects include electronic circuitry, programming, 3D design and fabrication, and multimedia production.

Sixth Grade

- Students...
 - Continue G-Suite productivity tools such as Sheets, Slides, Docs, and Gmail
 - Continue to use IXL for individualized learning and add Membean for individualized vocabulary
 - Are active participants in MakerLab, where students are given the freedom to explore and create projects within a S.T.E.A.M. (Science, Technology, Engineering, Art and Mathematics) framework. Projects include electronic circuitry, programming, 3D design and fabrication, and multimedia production.
 - Collect and analyze data using technology to identify solutions and/or make informed decisions
 - Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media
 - Develop cultural understanding and global awareness by engaging with learners of other cultures using technology

Seventh Grade

- Students
 - Continue G-Suite productivity tools such as Sheets, Slides, Docs, and Gmail
 - Continue to use IXL and Membean for individualized learning
 - Create in the Media Lab where use a variety of multimedia tools to produce content such as video, audio, and podcasts
 - Collect and analyze data using technology to identify solutions and/or make informed decisions
 - Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media
 - Communicate information and ideas effectively to multiple audiences using a variety of media and formats
 - Develop cultural understanding and global awareness by engaging with learners of other cultures using technology

Eighth Grade

- Students...
 - Continue G-Suite productivity tools such as Sheets, Slides, Docs, and Gmail
 - Continue to use IXL and Membean for individualized learning
 - Participate in a year-long intramural robotics competition where they are given challenges in programming and engineering and then have to work together to accomplish goals
 - Collect and analyze data using technology to identify solutions and/or make informed decisions
 - Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media
 - Communicate information and ideas effectively to multiple audiences using a variety of media and formats
 - Develop cultural understanding and global awareness by engaging with learners of other cultures using technology