



Young Jewish Innovators Challenge

The Young Jewish Innovators Challenge invites 9th and 10th-grade young women to use creative thinking and problem-solving skills to seek solutions to real-life issues that impact our community.

The Challenge is composed of four collaborative team sessions, independent study assignments, and two field trips. Students work in groups to complete both a slideshow and oral presentation as the final products of the Challenge. Winners will be determined by the highest points accumulated, according to point rubrics earned through program attendance, assignment completion, final slideshow and oral presentation.

**FIRST PRIZE:
\$500**

**SECOND PRIZE:
\$300**

**THIRD PRIZE:
\$250**

**Honorable Mention:
\$150**

Prize amounts are awarded to each team member.

Young Jewish Innovators Challenge

Sunday, November 6

10:00 a.m. - 12:30 p.m.
Walder Science

WELCOME INNOVATION SESSION

The Challenge kickoff will start with a welcome and introduction to the program. Attendees will learn about the innovation process, and the session will include interactive team building activities.

Thursday, November 17

12:00 p.m. - 5:00 p.m.
1375 W Fulton
(Bus pick-up from school at 12:00 p.m., with drop off at Walder Science at 5:00 p.m.)

FIELD TRIP TO PORTAL INNOVATIONS

www.portalinnovations.com
This exciting field trip will include: a tour of a state-of-the art biotech lab facility; hands-on engineering activities; an innovation and career panel presentation with a Q&A session; as well an entrepreneurship activity.

Sunday, November 20

10:00 a.m. - 12:30 p.m.
Walder Science

INNOVATIONS FOR THE JEWISH COMMUNITY

This live Zoom panel features Rabbi Ortner from ZMAN Technologies and Rabbi Krengel from the Zomet Institute, who specialize in the intersection of halacha and Shabbos/Yom Tov appliance technology. The session will conclude with an interactive Q&A session.

Monday, November 21 – Sunday, December 4

INDEPENDENT STUDY

Students will begin their team collaboration, utilizing research to learn more about biomimicry, nature-inspired design.

Monday, December 5

12:00 p.m. - 5:00 p.m.
9700 S. Cass Avenue, Argonne
(Bus pick-up from school at 12:00 p.m., with drop off at Walder Science at 5:00 p.m.)

FIELD TRIP TO ARGONNE NATIONAL LABORATORY

www.anl.gov
Participants will enjoy a private tour of this multidisciplinary science and engineering research center and advanced photon source. They will be introduced to the concept of nuclear power generation, and engage in a follow-up discussion with top tier researchers in the industry.



2022-2023 Calendar

*Dates and times are subject to change.

Monday, December 12

6:00 p.m.-7:30 p.m.

Walder Science

STEM CHAT WITH ARGONNE SCIENTIST, DR. DANLU ZHANG

Participants will join a live Zoom presentation and Q&A session with Dr. Danlu Zhang, learning about her cutting-edge research and experiences as a leading female scientist. Dinner will be included for all attendees.

Sunday, December 18- Saturday, January 7

INDEPENDENT STUDY

Students continue to work in teams using available resources to learn about patents, copyrights, and trademarks.

Sunday, January 8

10:00 a.m. - 12:30 p.m.

Walder Science

PEER COLLABORATION AND COMMUNICATION

Participants will review the final presentation guidelines and prepare for the culminating event.

Monday, January 9 - Sunday, January 29

INDEPENDENT STUDY

Teams finish their research using ideation and working through the design process, and conclude their final projects.

Week of February 6

Date and Location TBD

CULMINATING EVENT

This special evening will feature presentations from the talented teams of the inaugural Challenge cohort. Each presentation will focus on an area of innovation and includes a related Jewish perspective. The Challenge winners will be announced during the concluding ceremony.

Date and Location TBD

1-2-DAY INNOVATION EXPERIENCE

Qualifying students who have successfully completed the Challenge will enjoy a culminating Innovation Experience Trip. Details to follow.



ADDITIONAL INFORMATION:

- All waivers should be completed by Sunday, November 13. Waivers can be found at walderlab.org/innovators.
 - All study materials, field trip and transportation costs, and meals during collaborative sessions are included in the registration fee.
 - All collaborative team sessions will take place at Walder Science, 3050 W. Touhy Ave., Chicago.
 - Supervised computer lab access is available by appointment by contacting Mrs. Dina Romanoff at yjic@walderlab.org or 773-649-5358.
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