



FROM THE DESK OF DR. ROSE DAVIDSON, CURRICULUM DIRECTOR

ACADEMIC ACCOLADES

SJA's Aspiring Computer Science Award Recipients



Congratulations to St. Joe's [Award for Aspirations in Computing](#) recipients! The Award for Aspirations in Computing (AiC) honors women in grades 9-12 for their computing-related achievements and interests and encourages them to pursue their passions.

Since 2007, more than 20,000 students have received an Award for AiC from the [National Center for Women & Information Technology](#) (NCWIT).

Award recipients were selected based on their aptitude and aspirations in technology and computing, as demonstrated by their computing-related experience and activities, leadership experience, tenacity in the face of barriers to access, and their future aspirations.



Katie H. '24



Sam L. '25



Annabel G. '26

AFFILIATE RISING STARS



Mia S. '24



Addison B. '24



Madeline B. '24

AFFILIATE HONORABLE MENTION



Molly G. '25

Congratulations to our Latin Competitors

The 1st annual STL-Area Latin Student Convention organized by Latin teachers at several private and public schools in the area was held on April 29, 2023. Major activities at this convention entailed a scholar-bowl type trivia tournament (called certamen), as well as a competition exam about ancient Roman civilizations. SJA had a novice team and an intermediate team compete and make it to semifinals in the Certamen tournament. One SJA student won an award on the Roman civilization competition exam: freshman **Allison W.** came in 5th place in the Novice division.



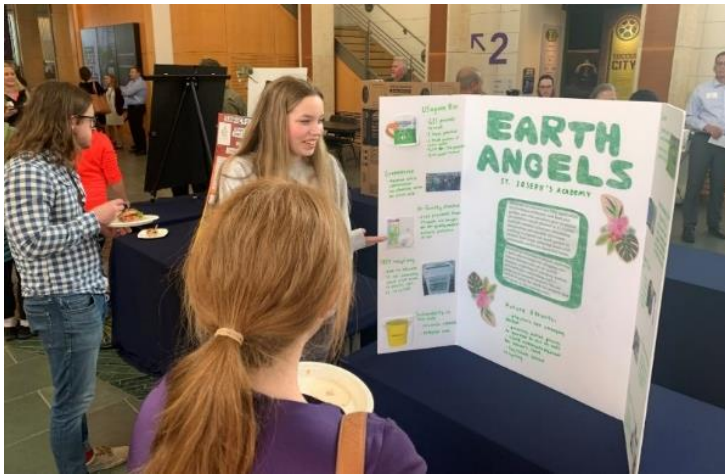
Growing Beyond Earth Citizen Science Project

[Growing Beyond Earth](#)® (GBE) is a classroom-based citizen science project operated in partnership with NASA, designed to advance NASA research on growing plants in space. It includes a series of plant experiments conducted by students in a plant habitat similar to those used on the International Space Station. As part of the program, students have the opportunity to present their findings to NASA Researchers and Administrators during the live, virtual Student Research Symposium.

Honors Biology students participated in the program this year. The students spent 4 weeks with a trial run in the fall, submitted a project idea for this spring, spent four weeks collecting data and then analyzed the results. On April 29th, **Annabel G. '26** and **Cate F. '26**, two of the students who participated in the Growing Beyond Earth program, virtually presented the findings of the St. Joe team to and responded to questions from the NASA Researchers.

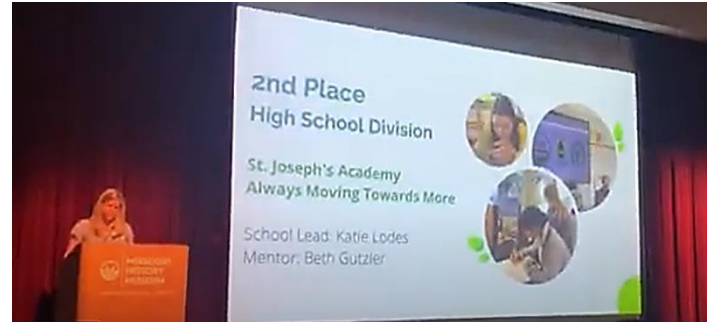


Earth Angels competes in Green Schools Quest



The St. Joe Earth Angels took 2nd place in the Green Schools Quest at the Green School Competition and were recognized during the project showcase at the History Museum in Forest Park on May 3rd. Their project was titled *Always Moving Towards the More* and focused on improving our community's recycling and composting efforts.

Earth Angels senior officers **Meghan J.**, **Hanna J.** and **Gracie L.** worked hard on the actual entry.



They, along with the other four officers **Bailey B. '24**, **Lucy B. '24**, **Abby L. '25** and **Madeline B. '25** coordinated recycling and composting efforts all year. Freshman **Vienna S.** constructed the poster and attended the awards ceremony, explaining the Earth Angels' project to the attendees.

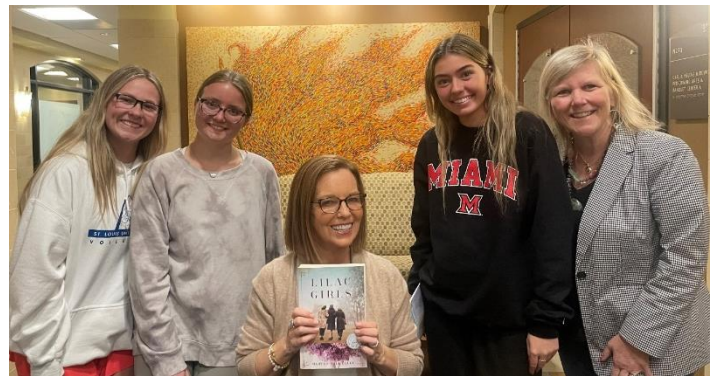
Congratulations to Earth Angels, their school lead **Mrs. Katie Lodes** and their mentor, **Beth Gutzler**, a local Environmental Justice Organizer.

Holocaust Literature and Media of Extraordinary Lives

Seniors from Mrs. Berry's **Holocaust Literature and Media of Extraordinary Lives** course were able to attend an author talk at the JCC Staenberg Family Complex in Creve Coeur on April 25, where they were able to meet *New York Times* best-selling author, Martha Hall Kelly, who wrote *Lilac Girls* a historical novel inspired by the life of an actual World War II heroine.

This remarkable novel reveals the power of unsung women to change history in their quest for love, freedom, and second chances. Earlier this year, Mrs. Berry worked with Ms. Kelly to

write the reader's guide curriculum for her novel.



The author was in St. Louis promoting her newly released novel, *The Golden Doves*. Martha Hall Kelly has garnered acclaim for her stunning combination of empathy and research into the stories of women throughout history and for exploring the terrors of Ravensbrück, an all-female concentration camp. With *The Golden Doves*, she has crafted an unforgettable story about the fates of Nazi fugitives in the wake of World War II—and the unsung female spies who risked it all to bring them to justice.

Semester Exams

Many students are involved in summative projects which are due before the end of the year which count as their summative assessment. Examples include the *Out of Many, One* project in **American Literature**, the Case Studies in **ACP Anatomy & Physiology**, *The Prosthetic Device* project in **Engineering Methods**, and the *Radial Color Scheme* painting in **Art 1**.

On Stop Day, Monday, May 22, teachers are available from 10:15 a.m.- 2:00 p.m. to assist students.

Seated exams take place May 23-25. A detailed listing of courses and room numbers will be provided to the students.

SPRING 2023 EXAM SCHEDULE

Tuesday, May 23	8:15-9:45 a.m.	Social Studies. AP Social Studies exams go until 10:00 a.m.
	10:00-11:30 a.m.	Science 1 (regular and honors); AP science exams go until 12:00 p.m.
Wednesday, May 24	8:15-9:45 a.m.	World Language
	10:00-11:30 a.m.	Math (regular and honors); AP Math exams go until 12:00 p.m.
Thursday, May 25	8:15-9:45 a.m.	Science 2 and Conflict , for those students with more than one course in any subject.



caught in the act

On April 26th, Mrs. Landherr's **Topics in Social Studies** class took a STL bus tour arranged through the St. Louis History Museum. We went to lunch at Balkan Treat Box and then picked up their tour guide Amanda Clark who took them on an historical tour of the Hill where they stopped for some gelato, and Cherokee Street, where they stopped to talk with some local business owners.



Student Opportunities

A listing of upcoming and summer opportunities such as the two below for you to explore can be found [here](#). Most of the remaining opportunities for the summer are first come, first served.



Academy of Science St. Louis Science Fair

Science • Technology • Engineering • Math

Inquiry-based learning at its best!

Sponsored by Bayer Fund and Broadcom Foundation

Technology & Engineering projects sponsored by Boeing

St. Joe participates in the 2023 Academy of Science Greater St. Louis Science Fair

The results are in for the 2023 Academy of Science Greater St. Louis Science Fair and our students rocked it!

Our Honors Fair participants were awarded more glory and our juniors and sophomores in **Honors Physics** and **Honors Chemistry** are awash in blue and red ribbons with plenty of special awards sprinkled in!

A complete list of awards is on the following pages. Congratulations to the student honorees and their teachers **Mrs. Carpenter** and **Mr. Gundy!**



St. Joe 2023 Greater St. Louis Science Fair results

Honors Division (March and re-entered in April)

Student Name	Project title
Bailey Bryan	<i>The effects of cellulose acetate filters on on Phaseolus vulgaris and Palaemonetes paludosus</i>
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Honors Fair Finalist • American Association of University Women— Ballwin-Chesterfield Branch Award 	
Gracie LeGrand	<i>The Impact of lowering ph on Artemia franciscana viability</i>
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Honors Fair finalist 	
Anna Wingbermuehle	<i>The effect of land use on soil composition and the growth of Pascopyrum smithii in remnant soils versus altered soils</i>
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Honors Fair Semifinalist • American Association of University Women— Ballwin-Chesterfield Branch Award • NASA Earth System Science Award 	

Greater St. Louis Science Fair (April 2023)

Name	Project Title	Teacher
Sydney Barnes	<i>Future fading away: Long lasting natural dye</i>	Mr. Gundy
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Bayer Top Young Scientist Award 		
Melanie Beers	<i>3D Printed Prosthetic Hands: Box and Block Test</i>	Mr. Gundy
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Yale Science and Engineering Association Certificate • American Statistical Association (St. Louis Chapter) Excellence in the Application of Statistical Methods Award • Bayer Top Young Scientist Award 		

Carlye Bennett	<i>The effect of salinity stress on Lactuca sativa var. longifolia growth and germination</i>	Mrs. Carpenter
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Bayer Top Young Scientist Award 		
Audrey Callen	<i>Preservation Methods of Salt and Natural Plants</i>	Mrs. Carpenter
Blue Ribbon Special Awards <ul style="list-style-type: none"> • American Institute of Chemical Engineers- St. Louis Section Award 		
Syndney Clayborn and Ainsley Hamilton	<i>Pesticides vs. The pH Levels of Soil</i>	Mrs. Carpenter
Blue Ribbon Special Awards <ul style="list-style-type: none"> • East Central District/Federated Garden Clubs of Missouri, Inc. Award 		
Caeleigh Edmiston	<i>The Salty Side of Ice</i>	Mrs. Carpenter
Red Ribbon Special Awards <ul style="list-style-type: none"> • American Institute of Chemical Engineers- St. Louis Section Award 		
Alexandra Faerber	<i>The Effect of Weapon Type on Blood Spatter</i>	Mrs. Carpenter
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Bayer Top Young Scientist Award 		
Cate Guenther	<i>The Effect of Hi-Yield Phosphate Fertilizer on Raphanus sativus</i>	Mr. Gundy
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Bayer Top Young Scientist Award 		
Catherine Martin	<i>Is Baking Powder Really Needed?</i>	Mrs. Carpenter
Blue Ribbon Special Awards <ul style="list-style-type: none"> • Bayer Top Young Scientist Award 		
Annie Renetzky	<i>The Effects of Baking Powder on Rising</i>	Mrs. Carpenter
Blue Ribbon Special Awards		

<ul style="list-style-type: none"> American Statistical Association (St. Louis Chapter) Excellence in the Application of Statistical Methods Certificate 		
Maizy Sadlo	<i>The Effect of Bionic Reading on Reading Speed and Comprehension</i>	Mr. Gundy
Blue Ribbon Special Awards <ul style="list-style-type: none"> American Statistical Association (St. Louis Chapter) Excellence in the Application of Statistical Methods Certificate American Psychological Association Certificate 		
Megan Schoemehl	<i>The Importance of Room to Grow</i>	Mrs. Carpenter
Blue Ribbon Special Awards <ul style="list-style-type: none"> East Central District/Federated Garden Clubs of Missouri, Inc. Award 		
Addi Berta	Energized Medication: The Effect of Caffeine on NSAIDs	Mrs. Carpenter
Red Ribbon		
Enza Bommarito	<i>The Effect of Sodium Chloride on Botrytis cinerea Growth in Fragaria ananassa</i>	Mrs. Carpenter
Red Ribbon		
Madeline Brand	<i>Food efficiency: Ways that water temperature can affect plant growth</i>	Mrs. Carpenter
Red Ribbon		
Ella Cooper	<i>The Effect of Different Concentrations of Copper-Based Algacide on Algae Growth</i>	Mrs. Carpenter
Blue Ribbon		
Ruby Cotton	<i>The Effect of Color on Taste and Food Perception</i>	Mr. Gundy
Red Ribbon		
Paige Evans and Kiran Rudd	<i>Climate Change's Effect On Algae Growth: Why We Need to Keep Our Earth Clean</i>	Mrs. Carpenter
Red Ribbon		

Kate Hulsen	<i>Colorful Composting</i>	Mrs. Carpenter
Red Ribbon		
Eliza Kelly	<i>Effect of Energy Drinks on the growth of Tagetes</i>	Mr. Gundy
Red Ribbon		
Abby Moriarty and Gabby Wyatt	<i>Composting Paper Tableware in Different Temperatures</i>	Mrs. Carpenter
Blue Ribbon		
Claire Morrissey	<i>The Effect of Antibiotics on Bacteria Regarding Antibiotic Resistance</i>	Mr. Gundy
Red Ribbon		
Ava Muehlemann	<i>Baking Soda and Brownies</i>	Mrs. Carpenter
Blue Ribbon		
Emily Rines	<i>Turn up the Heat: Why Baking Pan Material Matters</i>	Mrs. Carpenter
Blue Ribbon		
Maddy Sands	<i>A Bright Future For Plants: How Does Different Color Light Affect Plant Growth?</i>	Mrs. Carpenter
Blue Ribbon		
Anna Spalitto	<i>The Effect of Salt on Ice</i>	Mrs. Carpenter
Blue Ribbon		
Allison Zhang	<i>Hand Dryers V.S Paper Towels</i>	Mr. Gundy
Blue Ribbon		