

Brooke Lytle

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Education

The Harpeth Hall School, Nashville, TN - Class of 2022

- **GPA:** 4.75/4.0 (weighted)
- **ACT:** 36 (English: 36, Math: 36, Reading: 36, Science: 36, date: 03/02/2021)
- AP World History: 5, AP Chemistry: 5, AP English Language & Composition: 5, AP US History: 5, AP Calculus BC: 5, AP English Literature & Composition: 5, AP Art History: 5, AP Physics C Mechanics: 4, AP Physics C Electromagnetism: 4, AP Chinese Language: 3

Honors & Awards

- Katie Wray Valedictory Award (12)
- U.S. Presidential Scholar Semifinalist (12)
- National Merit Scholar (12)
- Ned McWherter Scholar (12)
- Director's Award - "is chosen by the faculty and is given each year to a senior who has consistently demonstrated her love for Harpeth Hall, inspiring others by her example and making an outstanding contribution to the life of the School through her tireless service, her dependability, and her loyalty" (12)
- AP Scholar with Distinction (12)
- AP Scholar with Honor (11)
- Elizabeth Pope Evans Award - top 5 GPA within Class of 2022 (9-12)
- Harpeth Hall English Award (12)
- Harvard University Book Award for academic achievement and strong character (11)
- Rhodes College Book Award for leadership and service in community (10)
- Cum Laude Society (11-12)
- Mu Alpha Theta (11-12)
- La Sociedad Honoraria Hispánica (12)
- Chinese Honors Society (9-12)
- Honor Roll (9-12)

Activities

Harpeth Hall Honor Council

President (12), Representative (11)

- Created high school-wide Outreach Program to advocate integrity through discussions and case studies, lead hearings to adjudicate alleged infractions.

Harpeth Hall Student Government

Student Council Representative (10-12), Class Secretary (9)

- Engage student feedback, implement community activities, coordinate teacher gratitude days, host student spirit events, created class calendar.

Harpeth Hall Dance Company

Top Level (10-12), Captain/Repetrice (9-10)

- Perform in semi-annual showcase; train in ballet, jazz, hip hop, choreography, and contemporary; coach other company members.

Harpeth Hall Ambassador Program

Ambassador (9-12), Alumnae Ambassador (2022-Present)

- Lead tours for prospective students and families; host Preview Days, alumnae reunions, and guest students.
- Maintain alumnae relations, coordinate reunions, organize fundraising efforts.

Global Scholars Program

Member (10-12)

- Investigate current event topics, engage fellow scholars concerning international challenges and opportunities, create and present capstone project.

Student Investment Fund

Managing Director (12), Member (11)

- Manage \$10,000 equity investment, perform quantitative research to determine suitability of companies in which to invest, present analysis to members.

Astronomy Club

President (12), Vice-President (10-11), Secretary (9)

- Host community events including Star Parties with telescopes.

Logos

Staff Writer (10-11)

- Author current events and faculty biography articles for the school newspaper.

Chinese Club

Founder and Co-President (12)

- Discuss Chinese culture, current events, and language.

Jane Austen Club

Founding member (9-10)

- Celebrated the life and legacy of Jane Austen through films.

Model United Nations

Representative (9)

- Kenyan Ambassador at United Nations Division for Ocean Affairs and the Law of the Sea Conference.

Fellowship of Christian Athletes

Member (9)

Brentwood United Methodist Church

Youth Group Participant (9-12), VBS Leader (2018-2019, 2021)

Community Service

Mission: All Stars

Founder (2020-Present)

- Created program to introduce children to space, authored curriculum with associated crafts, designed related artwork, taught in small group settings.

Vanderbilt Dyer Observatory

Presenter, Telescope Operator (2016-Present)

- Discuss images captured by Hubble Telescope, explain live telescope objects to viewers, answer guest questions (limited last two years by pandemic).

Bethlehem Center of Nashville

Teacher Aide (2016-Present)

- Taught math, reading, science, Spanish, and Chinese to K-5 students with socioeconomic disadvantages; coached students on conflict resolution.

Experiential Learning

Independent Study in Economics (*Winterim 2021*)

Completed a 36-unit Economics, 3rd Edition online course taught by Professor Timothy Taylor from Macalester College.

Python Specialization (*Summer 2020*)

Received a Python specialization online certificate sponsored by the University of Michigan after completing 4-unit course and capstone project; incorporated data structures such as lists, dictionaries, and tuples; used XML, HTML, and JSON to access web data; used Structured Query Language (SQL) to create web crawlers; and created a Python geolocation application.

DukeTip Marine Biology and Behavioral Ecology (*Summer 2019*)

Researched and presented the effects of climate change, specifically rising temperatures and ocean acidification, on the conditions of zooplankton; catalogued zooplankton specimens.

Advanced Astronomy Camp at the University of Arizona (*Summer 2019*)

Conducted research using 32", 60", and 12 meter telescopes at the Mount Lemmon SkyCenter to record carbon monoxide emission in the M16 nebula utilizing infrared, optical, and radio wavelengths.

Work Experience

Foxview Realty, LLC.

Summer Intern (2020-2021)

- Researched sale transactions, performed comparative property analysis, published new listings in MLS, audited filing system.

Affiliate Broker (Summer 2022)

- Completed 90 hour pre-licensing course, obtained TN Real Estate Affiliate Broker license.

Interests

- Astronomy, reading, dance, animal rescue, travel, music, yoga