

# EMMA ROSE BLAUSTEIN

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## EDUCATION

**Westfield High School**, Westfield, NJ

**Class of 2026**

GPA 3.978 / 4 unweighted; 4.26 weighted

AP courses: Bio (5), Phys (4), UShist (5), CalcAB (5), Span (4), Chem2 (5); *in progress*—EnvSc, Psych, Lang, Gov

## HONORS & AWARDS

- ACT: 36 (Perfect score—all sections)
- AP Scholar with Distinction
- Eagle Scout
- Elected Model UN Committee Chair
- Council on National Affairs Delegate (Top 1.1%)
- First author scientific publication selected as journal cover article

## LEADERSHIP EXPERIENCE

**Eagle Scout & Senior Patrol Leader, Scouting America, Troop 72**

**2020–**

- Advanced through leadership roles to Senior Patrol Leader (SPL). Prior: Asst SPL, PL; APL; Quartermaster
- Led & organized scout meetings and activities; taught essential skills & fostered leadership development
- Eagle project: Installed bleeding control stations in parks; worked with officials & *Stop the Bleed*. In [news](#)
- Completed 600+ community service hours, incl. organizing & leading volunteer teams to support events

**YMCA Civic Engagement Program, Model UN & Council on National Affairs**

**2023–**

- Model UN; elected Chair, Nation Building Cmte (180 members); organized 2026 MUN w/ 26 other chairs
- 1 of 23 selected from 2000 MUN participants to attend Council on National Affairs delegates of 41 states
- Developed & presented *Green Space & Urban Planning* proposal; advanced to General Assembly—top 4%

**Leadership Team & Skills Instructor, National Youth Leadership Training Conference**

**2024–**

- Taught 10 day leadership skills course to youth twice per year (2024, 2025)
- Evaluated performance and delivered structured developmental feedback to youth participants
- Planned logistics for 60 participants/20 staff; mentored instructors to ensure consistent delivery (2025)

**Crew Leader, Philmont Backpacking Trek, Scouting America**

**2024**

- Led a 12 day high-altitude backpacking expedition covering 85 miles up to Mt Baldy summit in NM
- Directed a team of 10 scouts, ensuring wilderness safety, group morale, and mission success
- Delegated responsibilities, led crew briefings, built communication to resolve conflicts/foster team unity

**Editor in Chief, Hi's Eye**, WHS' award winning, independent student-run newspaper

**2025–**

- Set editorial direction, led story & Op/Ed selection, supervised section editors, liason to administration
- Ran weekly editorial meeting; coordinated layout and production; ensured balanced coverage
- Journalism intern at *TAPinto Westfield*, reporting on local and school events for local digital newspaper

## RESEARCH EXPERIENCE

**Biomedical Research Assistant, New York University**. Mentor: Dr. Coen van Solingen

**2024–**

- Investigated how long noncoding RNAs contribute to inflammation and cardiovascular disease
- Performed RNA/DNA isolation, PCR, electrophoresis, microscopy, tissue culture, genotyping
- Authored two peer-reviewed journals & presented findings at 5<sup>th</sup> Annual CVRC Research Symposium

## PUBLICATIONS

Peer-reviewed Journals

- **Blaustein ER**, van Solingen C. [The Multifaceted Roles of CHROMR in Innate Immunity, Cancer and Cholesterol Homeostasis](#). *Non-Coding RNA*. 2025; 11(3), 44. \*Chosen as cover article.
- Dalman JM, **Blaustein ER**, van Solingen C. [Gut Instincts: The Gut Microbiome-Cardiovascular Inflammation Axis](#). *Circulation Research*. 2025; 136 (8): 806-808

Hi's Eye – WHS' Student Run, Independent Newspaper

- **Blaustein ER.** [Changing the Game: How Three New Professional Leagues are Inspiring Young Female Athletes](#). Hi's Eye Sports Feature. February 9, 2025.
- **Blaustein ER.** [The Cost of the Infodemic](#). Hi's Eye Opinions. January 13, 2025
- **Blaustein ER.** [Westfield's First Female Eagle Scout Takes Flight](#). Hi's Eye News Feature. Nov 4, 2024.

*TAPinto Westfield* – Union County's leading digital news outlet

- **Blaustein ER.** [Westfield High School to Present Spring Musical 'Smile' Next Week](#). March 15, 2025.
- **Blaustein ER.** [Westfield High School Tennis Tournament to Raise Funds for Imagine](#). June 1, 2025

## **EXTRACURRICULAR ACTIVITIES**

### **Clubs & Teams**

Model United Nations, 2023–

- Elected Chair of Nation Building Committee (2025)
- One of 23 delegates selected from 2000 students to attend Council on National Affairs (2025)

Biology Club, 2023–

- President 2024–

Mock Trial Club, 2024–

- Union County Champions 2025

Varsity Debate Team, 2024–

Habitat for Humanity Club, 2024–

### **Community Service (600+ hours)**

Homeless Aid & Food Distribution, 2019–

- Stone of Hope: prepared sandwiches weekly for the homeless (2019–2020)
- Scouting for Food: Collected, sorted, and delivered food to support local families in need (2021–)
- Westfield Food Pantry: Assisted with food pantry organization and community drives (2021–)

Wildlife Conservation, 2020–

- Engaged in projects at Carpinteria State Beach, CA; Anchorage Parks & Recreation, AK; Watchung Nature Reservation, NJ; North Cascades WA; Philmont Scout Ranch, NM

Westfield Fun Club, Temple Emanuel, 2022–

- Supported refugee families to life in US through play, mentorship and tutoring; assisted with CV writing

Trail Steward, Union County Department of Parks and Recreation, 2024–

- Restoring public parks by removing invasive species, mitigating erosion, trail and bridge maintenance

## **SKILLS & CERTIFICATIONS**

- Laboratory skills: RNA/DNA isolation, PCR, gel electrophoresis, microscopy, cell culture
- Certifications: Wilderness First Aid, CPR, *STOP THE BLEED*® Trauma Response
- Languages: English (native), Spanish (Seal of Bilingual)

## **INTERESTS**

- Hiking and backpacking
- Environmental and Biological Science
- History