

Alana Duffy

Charlotte Latin High School

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D.O.B. November 1, 2006

Service

Misty Meadows Mitey Riders (Grades 9-12, 7 hrs/week, 3 weeks/year)

- Charlotte Latin Service Club Co-Leader
 - Run club meeting to raise engagement and awareness of therapeutic horseback riding at Charlotte Latin School
 - Help with vending, horse care, parking, and more at the annual Spring Fair, a celebration of how far the riders' have come
- Volunteer as a Barn Team staff
 - Clean and prepare horses for their therapeutic riding sessions
 - Provide after-riding care
 - Clean and organize horse gear and barn equipment

Honors

Head Master's List (Grades 9-12)

- Maintain a minimum GPA of 3.5 each semester

Certificate of Honorable Merit: Cum Lade (Grade 9)

- For outstanding performance in the National Latin Examination

Leadership / Work Experience

Young Engineers of Today (Grades 10-12, 35 hrs/week, 5 week/year)

- Co-teaching STEM summer classes for children ages 4 to 16

Dog Sitting (Grades 10-12, 72 hrs/week, 4 week/year)

- Stay at owners house and watch 4-5 dogs

Athletics

Competitive Horseback Riding (Grades K-12, 12 hrs/week, year long)

- Train and care for my horse
- Compete monthly at United States Equestrian Federation shows
- Competing in the Older Children's Hunters at the 3ft height

Clubs

Blue Review Literary Magazine (Grades 9-10, 7 hrs/week, 3 weeks/year)

- Associate Art Editor and Lead Art Editor
- Compile CLS high school student's artwork that reflects the concept of the year's Magazine

Junior Classical League (Grades 9-11, 7 hrs/week, 3 weeks/year)

- Club for Latin and Greek that goes to conventions and meetings throughout the year and an initiation party demonstrate Latin proficiency
- Attended and participated in multiple North Carolina JCL competitions
 - NCJCL 2022 Jewelry 1st place
 - NCJCL 2023 Jewelry 5th place

Other

Wake Forest Summer Immersion Program (Grade 9, 40 hrs/week, 2 weeks/year)

- Law Program
 - Took classes on Law with Wake Forest University School of Law Project Director for the Accountable Prosecutor Project Eileen Prescott
- Leadership Institution
 - Took leadership classes with Wake Forest University Professor Marcus Sanderlin
 - Studied myself as a leader through personality quizzes, self-reflection, and pushing myself outside of my comfort zone at Crossnore High Ropes Course
 - Worked on effective leadership techniques and team bonding exercises

Brown University Pre-College (Grade 10, 15 hrs/week, 2 weeks/year)

- Renewable Energy Engineering: Wind and Solar Energy
 - Complete class with an 'A'
- Took classes on Renewable Energy Engineering with Brown University Professor Dr. Indrek Kulaots

- Studied energy basics, wind energy, solar energy, and the implementation logistics of on and offshore wind turbine farms, solar power plants, and concentrated solar thermal power plants

Research at Cornell University's CURIE Academy (Grade 10, 40 hrs/week, 2 week/year)

- With 35 other girls, worked to enable the study of cardiac morphogenesis
- Created a small bioreactor to maintain the survival and function of a chick heart ex-ovo
- Participated in nine field sessions with Cornell Engineering Professors
- Learned about various fields of engineering
- Attended research session classes with Dr. Shivaun Archer and Dr. Newton de Faria
- Completed small group work on Bioreactor Data Acquisition and Control System
- Presented small group findings and outcomes

Fab Academy (Grade 11, 35 hrs/week, 20 weeks/year)

- Grad-school level engineering intensive program taught by MIT professor Dr. Neil Gershenfeld
- Learned rapid prototyping and fabrication through new projects weekly
- Earned 20 Certificates and a Diploma through documentation with local and global evaluation
- Presented and successfully completed an oral defense of my final project