

# **CPSS240 - Robotics Service Learning**

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## Introduction

I recently had the opportunity to visit College Park Academy, a local middle school, to promote STEM education and engage students in activities related to robots and robotics.

As someone who is passionate about the field of technology, it was an exciting experience to work with these young minds and encourage them to pursue their interests in STEM. The visit involved a series of hands-on activities that allowed the students to explore the basics of robotics.

### **Site Information**

Site Name: College Park Academy

Address: 5751 Rivertech Ct. Riverdale Park, MD 20737

Site Supervisor: Vivian Ali Zohery

Mission: Prepare students for the real world, while fostering a

Site Goals: Promote STEM education and robotics to the youth

#### Activities

Our goal was to ignite curiosity in robotics through hands-on coding experience with the Lego Mindstorms. We provided occasional brain breaks and focused on coding and manipulating the robots.

I created detailed lesson plans for each session using Notion's collaborative tools.

#### Service-Learning Lesson Plans:

https://www.notion.so/aiblues/5fbd299979ec48babf5e8f373









## **Challenges**

- Keeping students focused during sessions.
- Addressing varying skill levels among students.



#### **Impacts**

- Positive impact on students through hands-on experiences with robotics and coding.
- Increased interest in STEM education among overall school community.

#### **Future Pursuits**

Before this course, I didn't realize how proficient I was in teaching students and people in general. If I decide to become a Teaching Assistant for this course and courses in my major, I can definitely utilize my experiences from this course again.



#### Acknowledgements

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