UNIVERSITY of HOUSTON | ECE

ECE 5330/6311: Intro to Robotics Class Worksheet – Robot Outreach

Outreach: The instructor strongly believes the best way to learn a subject is to teach it. For this reason, students are required to complete a robotics outreach with local K-12 students.
github.com/aabecker/RoboticSwarmControlLab/Outreach/RobotArmOutreach K to 3rd grade

To complete this assignment, you must conduct a 1-hour robotics outreach with at least three younger students.

Instructions for a sample outreach are at

github.com/aabecker/RoboticSwarmControlLab/Outreach/RobotArmOutreach K to 3rd grade/Intro to Robotics with the UH Charter School.docx

Instructions for a sample "*proof of learning*" assessment tool:

github.com/aabecker/RoboticSwarmControlLab/Outreach/RobotArmOutreach K to 3rd grade/PostTest robotics at UH Charter School.docx

For an older audience (high school), the following outreach was used:
https://www.thingiverse.com/thing:2687460

Scoring. Turn in a pdf document with the following items:

1. **(25 points)** A picture of you at the event with at least 3 students
2. **(25 points)** Proof of learning (scores from a PostTest you administered)
3. **(25 points)** A paragraph describing what you learned from this event
4. **(25 points)** A paragraph describing how your outreach could be improved

Enjoy!
Dr. Becker