

# JAYBOTS JOURNAL



visit our website at: [JAYBOTS.ORG](http://JAYBOTS.ORG)

Email us at: [Hello@jaybots.org](mailto>Hello@jaybots.org)



## Description of the FTC Decode competition:



Obelisk



Goal

Artifacts

FIRST Technology Challenge is a global robotics competition for students ages 12-18, where teams of up to 15 members program and assemble robots to complete the challenge. This season's game is DECODE, which is

archaeology themed. It begins with robots working to complete tasks during a 30 second autonomous period, as well as a 2 minute phase where drivers can control their robots, finishing with a 20 second endgame. During the 2 minute driver controlled period, players try to score artifacts into goals to earn points, and must arrange these artifacts in the correct order (which changes each round) according to the obelisk to earn extra points (refer to images to the left). Aside from being assessed on your robot's performance, teams are also judged on their teamwork, outreach, and their dedication to FIRST's main core values, like gracious professionalism.

### “ A Message from our Coach!

I am delighted to be able to work with the JAYBOTS for another season! Although this team made it all the way to Worlds last year, this season's game is more challenging than many in recent years. I am confident that the team will rise to the occasion. Semper Crescus, GO JAYBOTS!



## Robot in 3 days!!!

We are currently holding our Robot in 3 Days event where we strive to complete a working prototype of our bot. We are making good progress, and are experimenting with new mechanisms that we've never used before. We are even more excited for the competition this season than ever before!



*“Like a seed turning into a tree, progress is quiet before it’s visible”*

-Anika Anne

## Clothing Drive



Hailey, Matthew, Anthony, and Nate discussing ideas for this years robot at our clothing drive.



Nicole, Ava, and Erika brainstorming designs for the newly released competition on their whiteboards.



We got many donations from people at our clothing drive, and were very successful. Thank you to everyone who donated!



Members from out team and our JV team, the Phoenixes, preparing a pile with the donation we received throughout the day!

## COMMUNITY DAY

Our team had a stand at East Fishkill Community Day, where we allowed children to drive our outreach robot, and sold glowsticks to raise money for our club. Thank you to those who supported our team and came to our stand!



## 3D Printing Workshop on 10/11 & 11/15

Students attending this workshop will learn to use computer-aided design (CAD) software like OnShape and TinkerCAD. During the first session, they'll also design a part which will be 3D printed for them by the second session. Finally, they'll learn about the usage, maintenance, and calibration of 3D printers and learn about different types of 3D printers and their varying materials. If you are a student in grades 5-12, and you are interested in this event, please scan the QR code for more info!

**JAYBOTS**

**3D-PRINTING WORKSHOP**

Students will:

- Learn to use CAD software like OnShape and TinkerCAD
- Design a part which will be 3D printed for them
- Learn about usage, maintenance, and calibration of 3D printers
- Learn about different types of 3D printers and different materials

**LUNCH IS INCLUDED**

**WCSD STUDENTS GRADES 5-12**

**\$40 PER CHILD**

**SCAN THE QR-CODE FOR MORE INFO**

Questions?  
Contact:  
[JAYBOTS.ORG/CADWORKSHOP](http://JAYBOTS.ORG/CADWORKSHOP)  
[hello@jaybotsboosters.org](mailto:hello@jaybotsboosters.org)

**JOHN JAY ROBOTICS**

**Oct 11 Nov 15**  
**10am-2pm**