

WELCOME BACK!

Los Osos Robotics

9/1/26

JOIN OUR BAND!



INVITE CODE: NZF-6Q0-Q6

SEASON KICKOFF

September 12th at La Canada High School

- Great way to get exposure to FIRST Tech Challenge
- 26-27 Season game reveal!
- Workshops, networking with other teams, meeting new people!



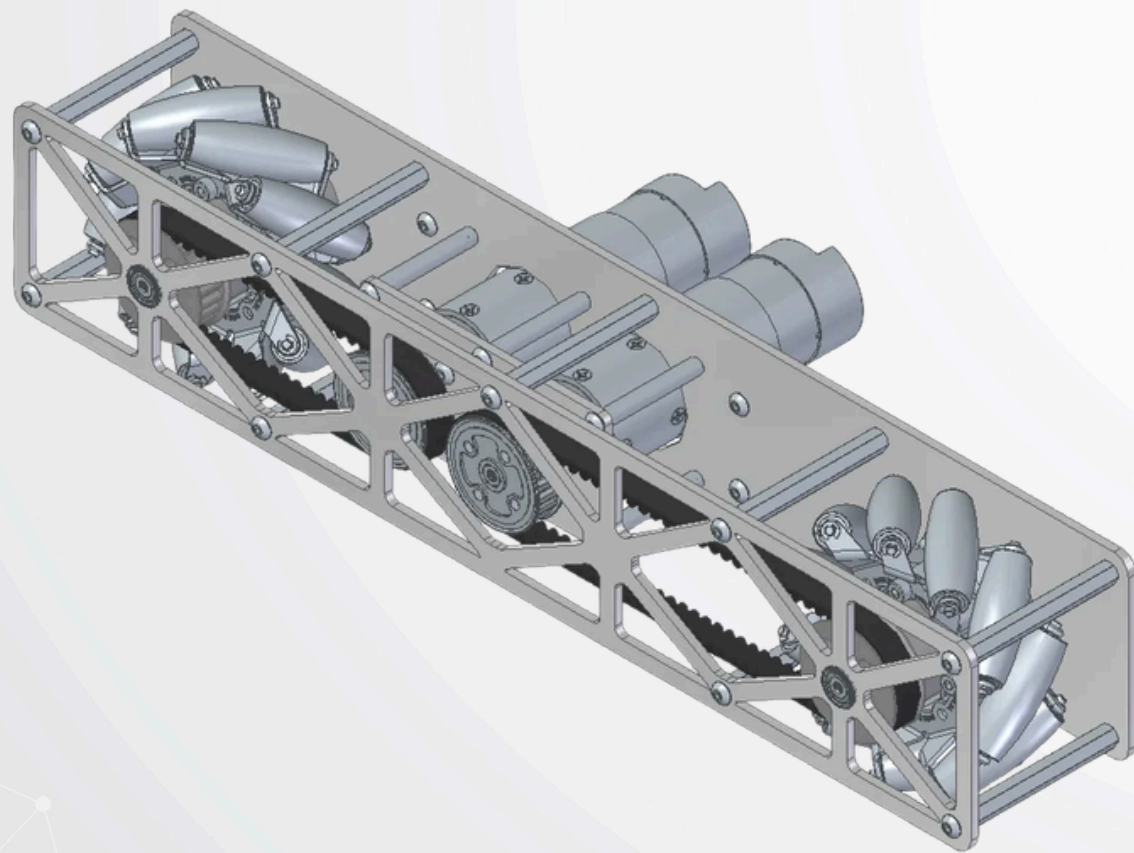
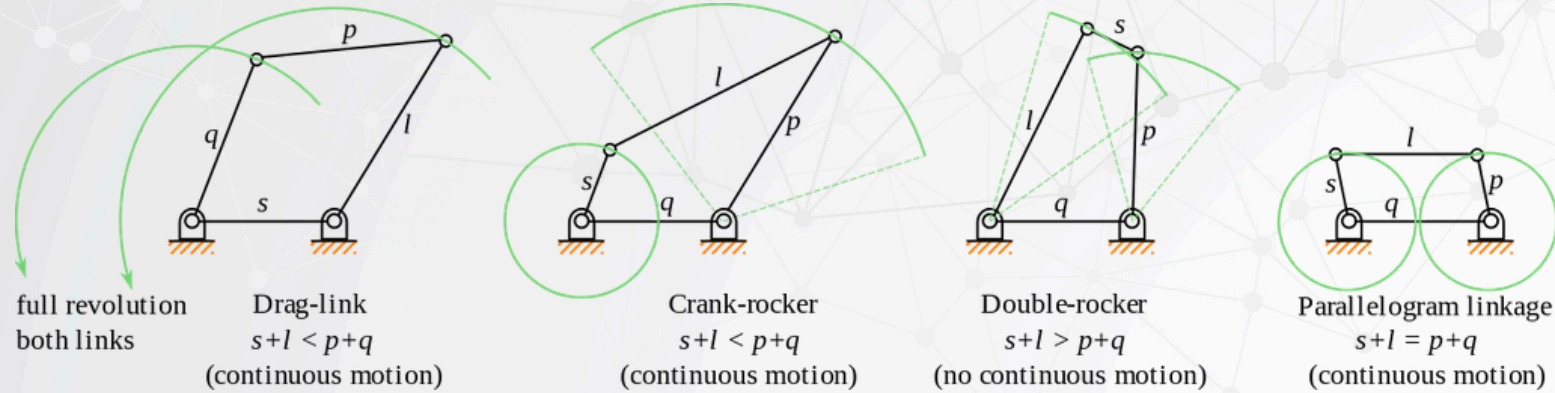
ENGINEERING WORKSHOP

WEEK 1

Jason Zhu & Neil Benjamin

- Basics of FIRST Tech Challenge Robot Parts
- Custom Machining
- Engineering Design Process
- Take notes!!!

WEEK 2: Introduction to CAD Design (Onshape)
(Bring a MOUSE!!!)



PROGRAMMING WORKSHOP

WEEK 1

Sam Xie & Harry Huang

- Experience gauging/survey
- FTC Programming 101

WEEK 2:

- System design/architecture
- version control
- onboarding

```
var perc = 99.0, wmin = 1920, hmin = 1080, w, h, w1, h1, ratio;
var FromDoc = open ( File ("D:\FromMacro.psd"));
var IntoDoc = open ( File ("D:\IntoMacro.psd"));

app.preferences.rulerUnits = Units.PIXELS;
w = FromDoc.width.value;
h = FromDoc.height.value;
ratio = h/w;
app.activeDocument = FromDoc;
activeDocument.activeLayer = activeDocument.layers[0];

var shapeRef =
[ [ Math.floor ((w-1920)/2), Math.floor ((h-1080)/2) ],
  [ Math.floor ((w-1920)/2)+1920, Math.floor ((h-1080)/2) ],
  [ Math.floor ((w-1920)/2)+1920, Math.floor ((h-1080)/2)+1080 ],
  [ Math.floor ((w-1920)/2), Math.floor ((h-1080)/2)+1080 ] ];

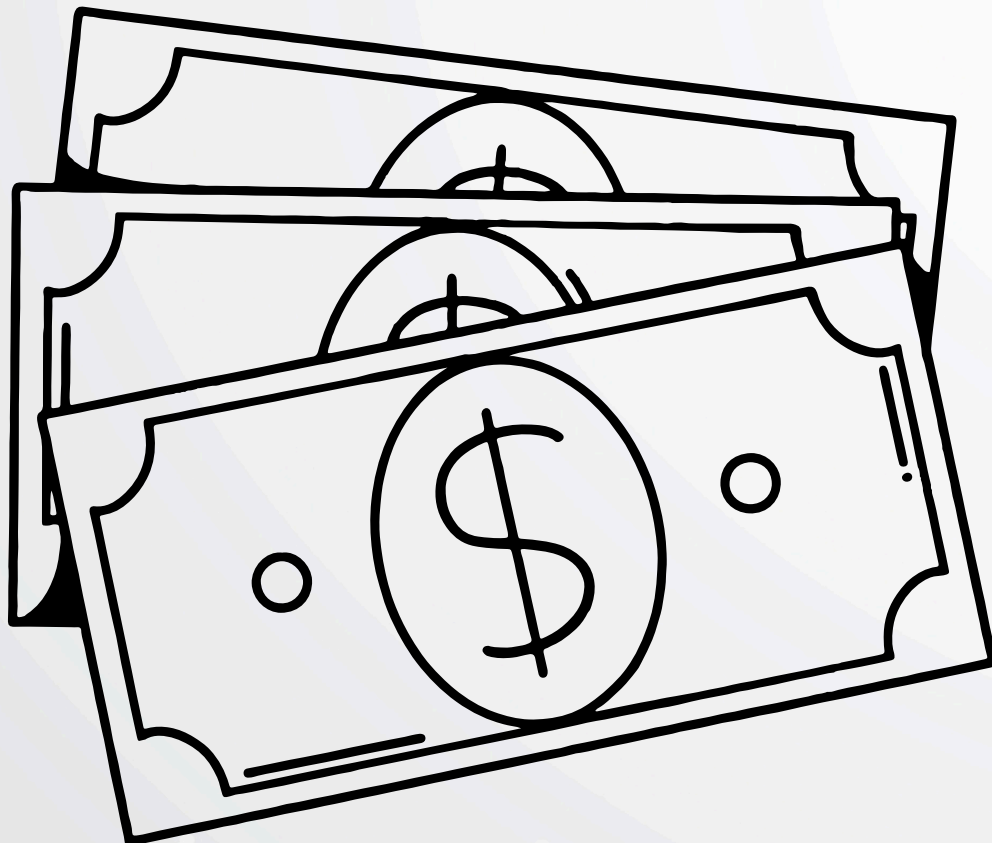
app.activeDocument.selection.select ( shapeRef, SelectionType.REPLACE );
app.activeDocument.selection.copy ();
app.activeDocument = IntoDoc;
activeDocument.activeLayer = activeDocument.layers[0];
IntoDoc.paste ();

while (1) {
  if ( (w < wmin) || (h < hmin) ) break;
  app.activeDocument = FromDoc;
  activeDocument.activeLayer = activeDocument.layers[0];
```



OUTREACH

- STEM Fair Planning
- Branches of Subteam Overview
 - Event Coordination
 - Portfolio
 - Media
 - Sponsorship/Business Team
- Event Coordination
- Website Revamp



WEEK 2: STEM Fair Committee Board Interviews



THANK YOU