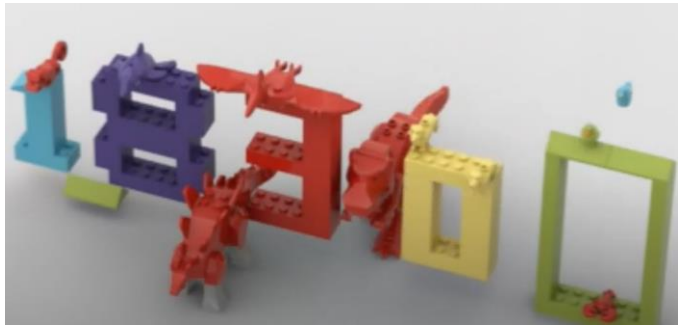
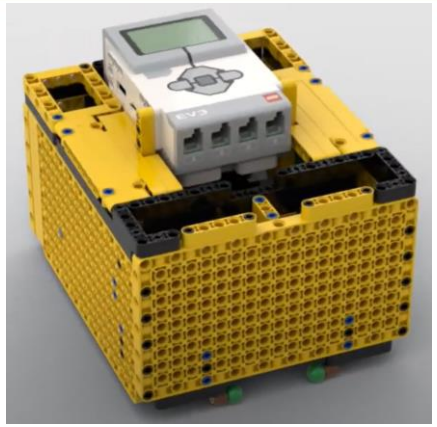


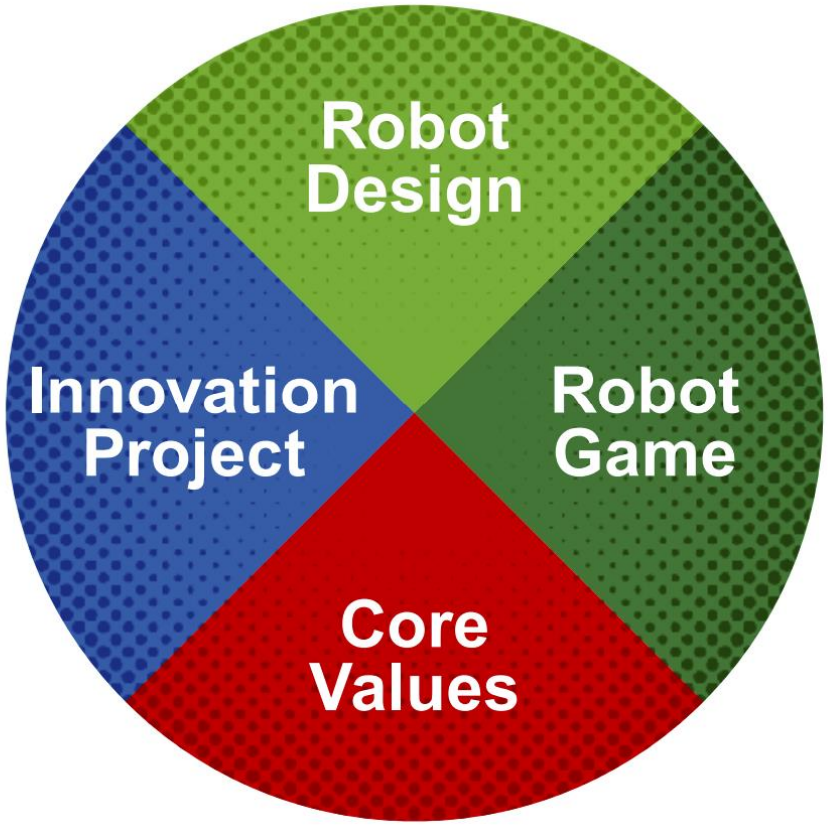


TEAM 18300

https://fll-18300.github.io/home/

FLL is a Competition!

- Based on **4 Separate** Equally Weighted Categories
- Successful teams work hard to get high scores in **all** categories



JUDGING SCORE SHEET (RUBRIC)

BEGINNING 1	DEVELOPING 2	ACCOMPLISHED 3	EXCEEDS 4 *How has the team exceeded?*
IDENTIFY – Team determined which missions to attempt, explored building and coding resources, and sought guidance as needed.			
☐ Minimal evidence of mission strategy	☐ Partial evidence of mission strategy	☐ Clear evidence of mission strategy	☐
⚙ Minimal use of building or coding resources	⚙ Some use of building or coding resources	⚙ Clear use of building or coding resources to support their mission strategy	⚙
DESIGN – Team members worked collaboratively on their designs and developed the building and coding skills needed.			
⚙ Minimal evidence that all team members contributed ideas	⚙ Partial evidence that all team members contributed ideas	⚙ Clear evidence that all team members contributed ideas	⚙
☐ Minimal evidence of building and coding skills in all team members	☐ Partial evidence of building and coding skills in all team members	☐ Clear evidence of building and coding skills in all team members	☐
CREATE – Team developed original designs or improved on existing ones according to their mission strategy.			
☐ Unclear explanation of attachments and their purpose	☐ Simple explanation of attachments and their purpose	☐ Clear explanation of innovative attachments and their purpose	☐
☐ Unclear explanation of code and/or sensor use	☐ Simple explanation of code and/or sensor use	☐ Clear explanation of innovative code and/or sensor use	☐
ITERATE – Team repeatedly tested their robot and code to identify areas for improvement and incorporated the findings into their solutions.			
☐ Minimal evidence of testing their robot and code	☐ Partial evidence of testing their robot and code	☐ Clear evidence of repeated testing of their robot and code	☐
⚙ Minimal evidence of improvements based on testing	⚙ Partial evidence of improvements based on testing	⚙ Clear evidence of improvements based on testing	⚙
COMMUNICATE – Team effectively explained what they learned from the robot design process and celebrated their progress.			
⚙ Unclear explanation of process and lessons learned	⚙ Simple explanation of process and lessons learned	⚙ Detailed explanation of process and lessons learned	⚙
⚙ Team shows minimal pride or enthusiasm for their work	⚙ Team shows partial pride or enthusiasm for their work	⚙ Team clearly shows pride or enthusiasm for their work	⚙

Describe clear strategy

NEW! Describe resources used

Show how everyone contributes

Show how everyone builds and codes

Describe robot's attachments

Describe code

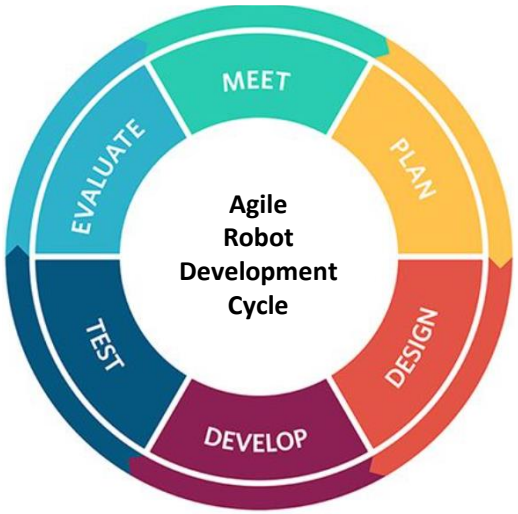
Describe how robot was tested

Describe how robot was improved

Show process used to design robot

NEW!: Demonstrate how everyone works hard, helps each other, and (hopefully) loves robotics

Engineering methods & tools!



Show process used to design robot

ATLASSIAN Jira

Describe clear strategy

Describe plan for solving missions

Describe plan for robot and code

Describe how robot was improved

Show how everyone contributed

Describe how robot was tested

Describe code

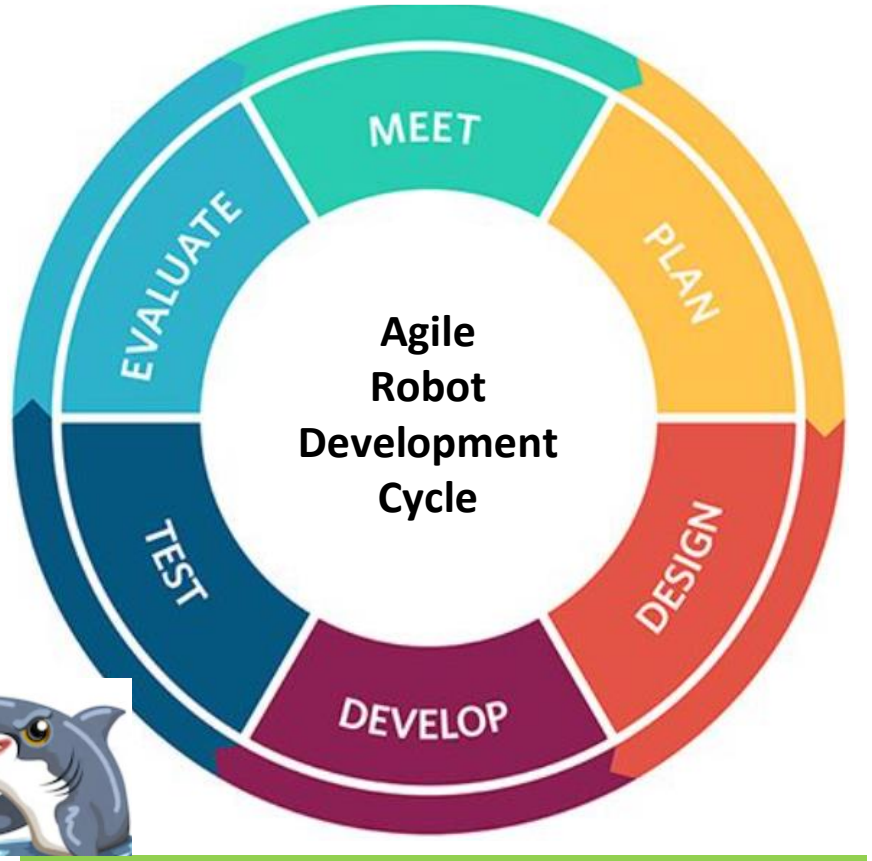
GitHub

bricklink

STUDIO 2.0

Clear evidence of building skills

Agile Development



Show process used to design robot

What is Agile Development?

Agile development is a broad term that can refer to any project management methodology that uses an iterative and flexible approach.

ATLASSIAN

Jira

Describe clear strategy

Describe plan for robot and code

Describe plan for solving missions

What is JIRA used for?

The word JIRA is derived from the Japanese word 'Gojira', meaning Godzilla. The software is based on agile methodology. If you're wondering what is jira used for, the answer is multiple purposes – bug tracking, and project management, etc

https://team18300.atlassian.net/

---use google---

User: team18300@gmail.com

Password: (ask a mentor)

Describe how robot was improved

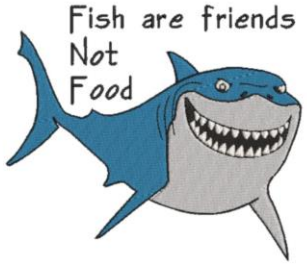
Show how everyone contributed

Describe how robot was tested

Describe code

What is GitHub used for?

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.



https://github.com/fll-18300/fall_2024

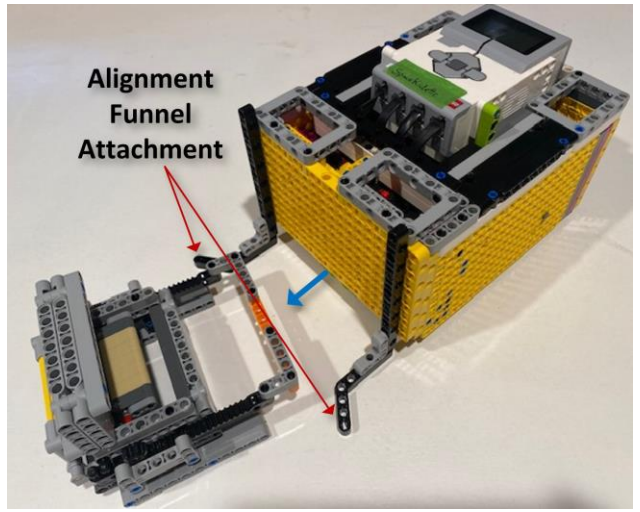
User: team18300

Password: (ask a mentor)

What makes a good attachment?

GOOD

- Quick and easy on & off (drop on)
- Square Up On Mission Model
- Use Funnels to help align
- Use lots of black & blue pins for strength



ROOM FOR IMPROVEMENT

- Attachment connected to basebot with pegs
- Floppy beams, fragile attachment. Can it pass a 1 foot drop test?
- Relies on the robot launch being lined up perfectly every time

What are we going to do with our 4 Sensors?

Think About…

- Are there lines to follow?
- Are there possible benefits to having more than one gyro?