

# The Model Glider Project

05.08.2021

# Team Presentation



Huang Jiongtao



Ke Yihang



Wu Jizhou



Zhu Sixing



Greeting!

# Introduction

Purpose

2

1

Background Information

3

Wishes

4

# Outline

1

## Methodology

Say what were the most important stages and why

2

## Problems and Solution

Problem we encountered in construction and how do we solve them

3

## Results and Discussion

Trajectory, flight patterns and comparison with our expectations or performance of other gliders

4

## Harvest and Reflection

Learned in Engineering for future career, contribution to our language skills and teamwork

5



1.

# Methodology





Follow the **guidance** and do our best  
Use **test** to find problems and solve them



2.

# Problems and Solution



- **Glider Installation**
  - Only one chance and do your best
- **Tail Position Mistake**
  - Use knife to cut it off and polish it
- **Balance the Glider**
  - Make both wings the same weight
  - Let it's head heavier



3.

# Results and Discussion



# Final Results

Compared to the No.1 in the whole grade and our group's No.1

| Glider Group | 1 <sup>st</sup> fly | 2 <sup>nd</sup> fly | 3 <sup>rd</sup> fly |
|--------------|---------------------|---------------------|---------------------|
| G9-5         | 13.30m              | 19.26m              | 20.90m              |
| G5-5         | 13.60m              | 10.28m              | 13.20m              |
| G5-4         | 10.40m              | 11.15m              | 13.10m              |

# Trajectory



# Discussion

## Different situation between test and competition



### Test

- Had a steady initial velocity
- Use a hand



### Competition

- Deviate upward to varying degrees
- Use rubber bands

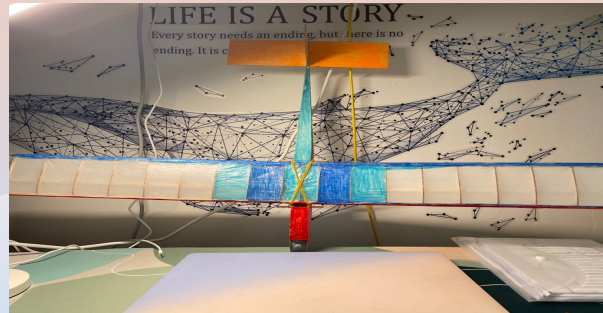


# Discussion

Gliders have an upward drift which leads to reach the top and then they will fall down quickly

## Counterweights

- Balance two wings
- Bear more gravity than end



4.

# Harvest and Reflection



## Engineering career

Help for future  
study or work.

E

## Language skills

Communication  
Specialist words

C

Importance  
Efficiency  
**Teamwork**

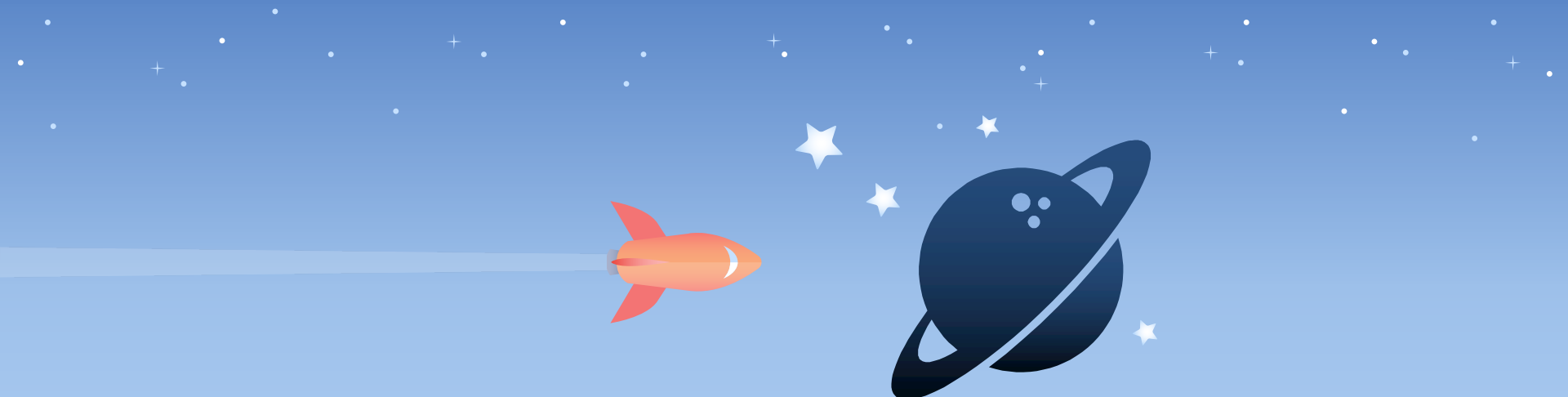
T

Expectation  
Respectation

**Respect**

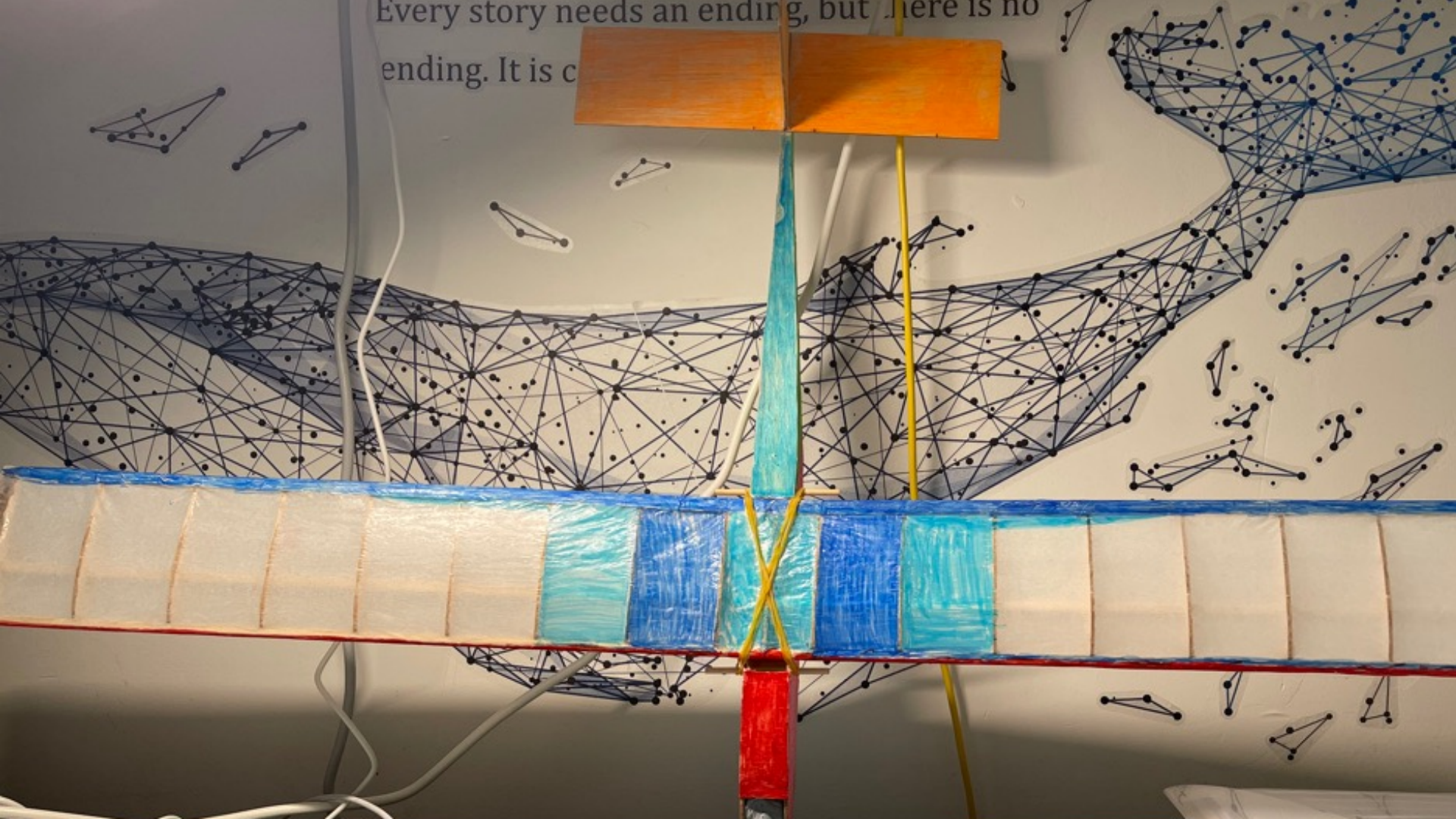
R





Thanks!

Every story needs an ending, but there is no ending. It is c









# Introduction

- **Background Information**
- **Purpose**
- **Wishes**



- **Engineering career**
- **Contribution to language skills**
- **Group and team work**

