

2025/2026

D

# Science Fair

## Yuto

### plan

- 9/13-9/17 - Mini proposal
- 9/20~9/30 - letter of intent
- 10/20~1/2 - Research proposal
- 1/3 - 1/27 - Final report

9/19	Miniproposal	
9/21	Miniproposal	1/11 experiment
9/23	Miniproposal	1/16 Final report
9/24	Mini proposal	1/17 Final Report
9/26	letter of intent	1/19 Final Report
9/30	letter of intent	1/23 Ertdcd
10/3	letter of intent	
10/5	letter of intent	
10/6	letter of intent	
10/8	letter of intent	
11/7	Research proposal	
11/10	Research proposal	
11/12	Research proposal	
11/20	Research proposal	
12/16	Research proposal	
1/2	Research proposal	
1/4	Research proposal	

# Back ground Research

\* sources are put on the Doc

last year: - geotextile

terracing

Plants → Vegetation establishment

Matching

Sand bag →

Rip rap →

Willow spilling? → Willow spilling

## Plant

- Roots re-enforce
- Yellowstone thing → deer

## Sand bag

- used every where
- stacking keeps them in place
- sand → catch soil → dense → waterproof
- weight

## Riprap → in boat river tour(?)

- rocks
  - better pH
  - weight
  - slow down impact → less meandering
- willow spilling → also in tour

- willow roots more stable
- very expensive

# BGR #2

- #1 - fluvial scour
- #2 - Mass failure
- #3 - abrasion

#1 → Cracks, slow  
- seep in & freeze & break & repeat

#2 → chunks  
- caused by other 2

#3 → erode

- slow? down

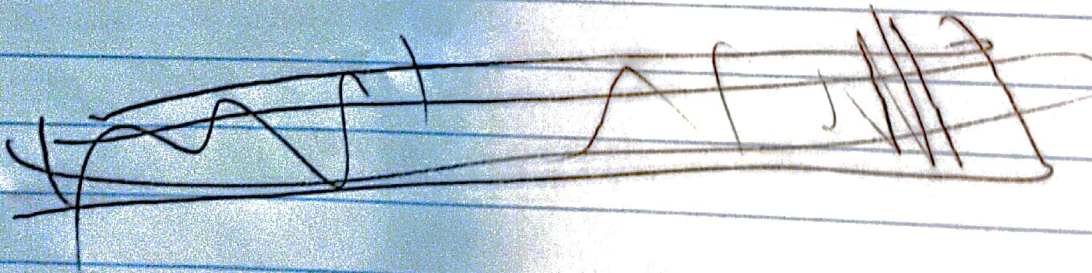
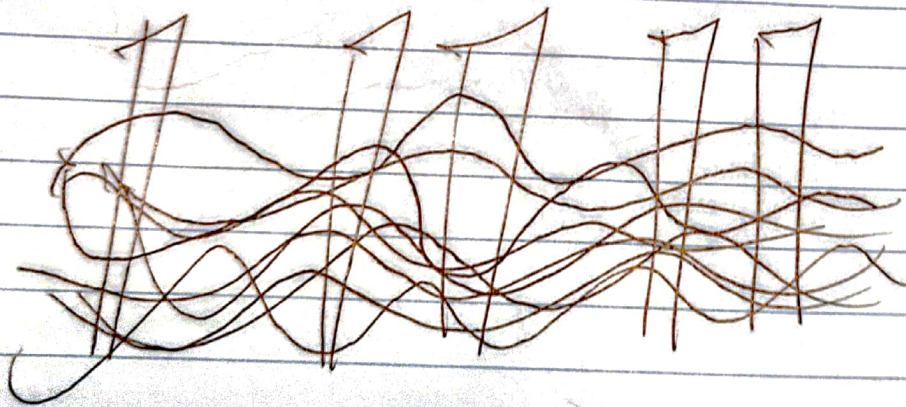
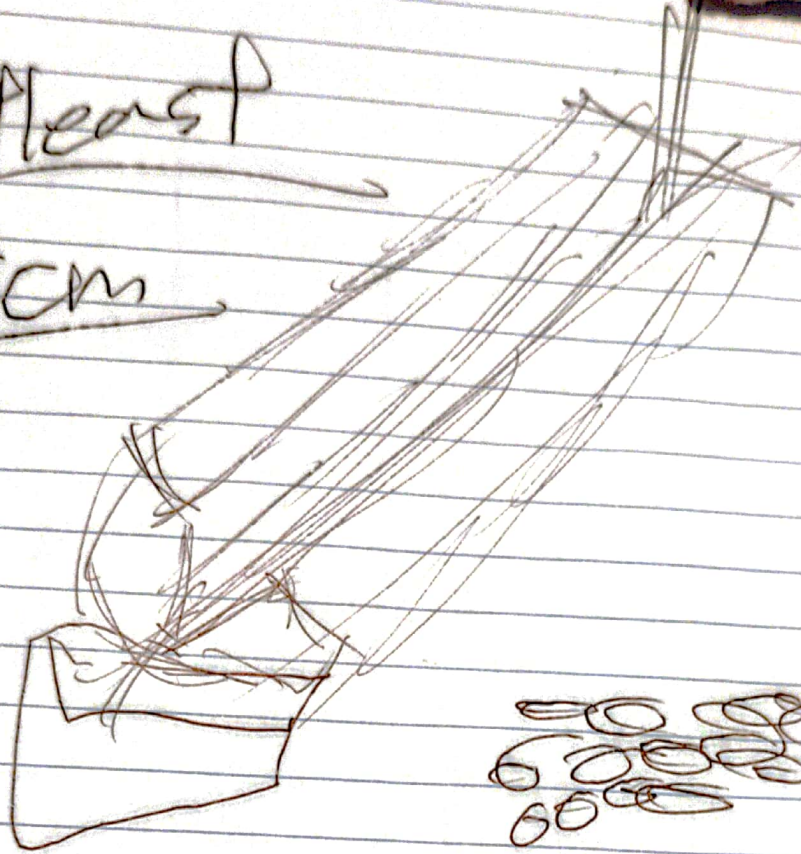
- move ~~up~~ stream

- wash & point

# Planning

At least

50cm



	K	V	R	S	W
1	15	5	3	5	7
2	14	4	6	6	8
3	17	7	4	2	5
4	12	7	6	4	7
5	15	8	4	4	10