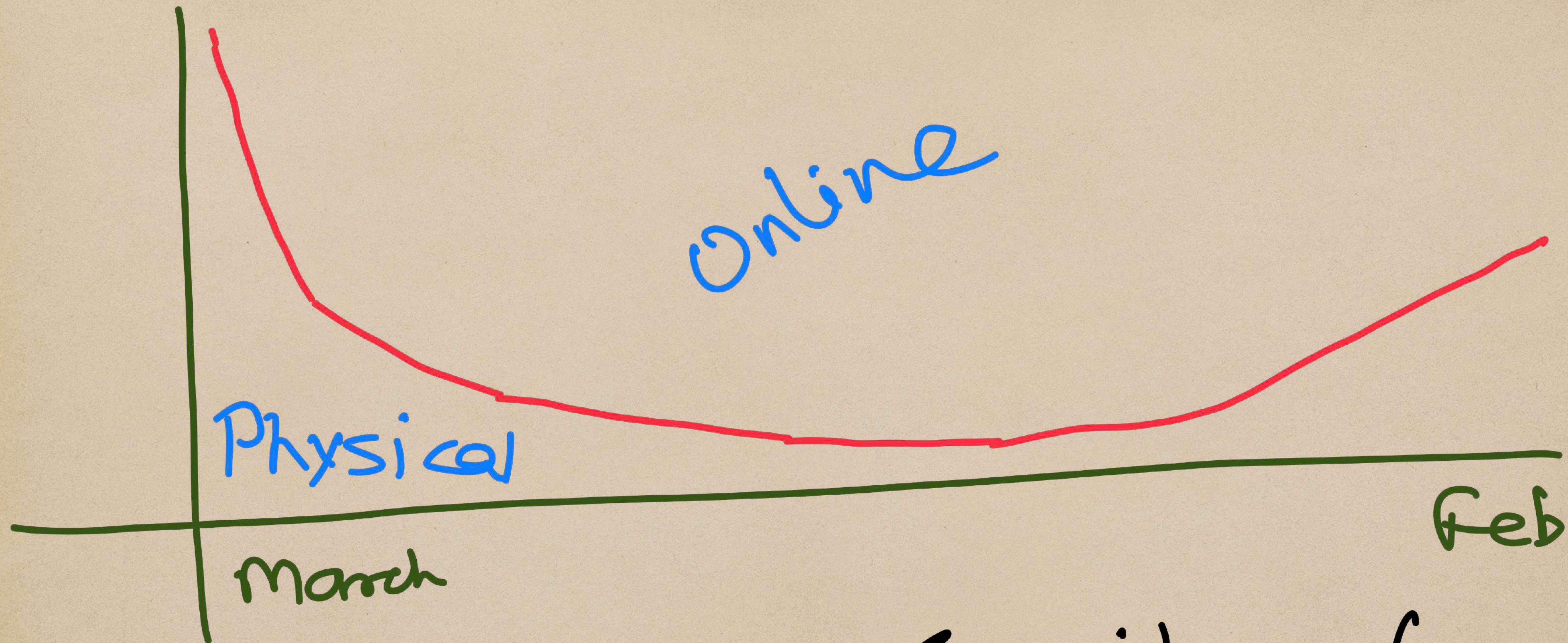


National Anveshika Nrtwork of
India (NANI)

July 2020-February 2021

PART-1 (NAEST)



Phase Transition of
NANI activities

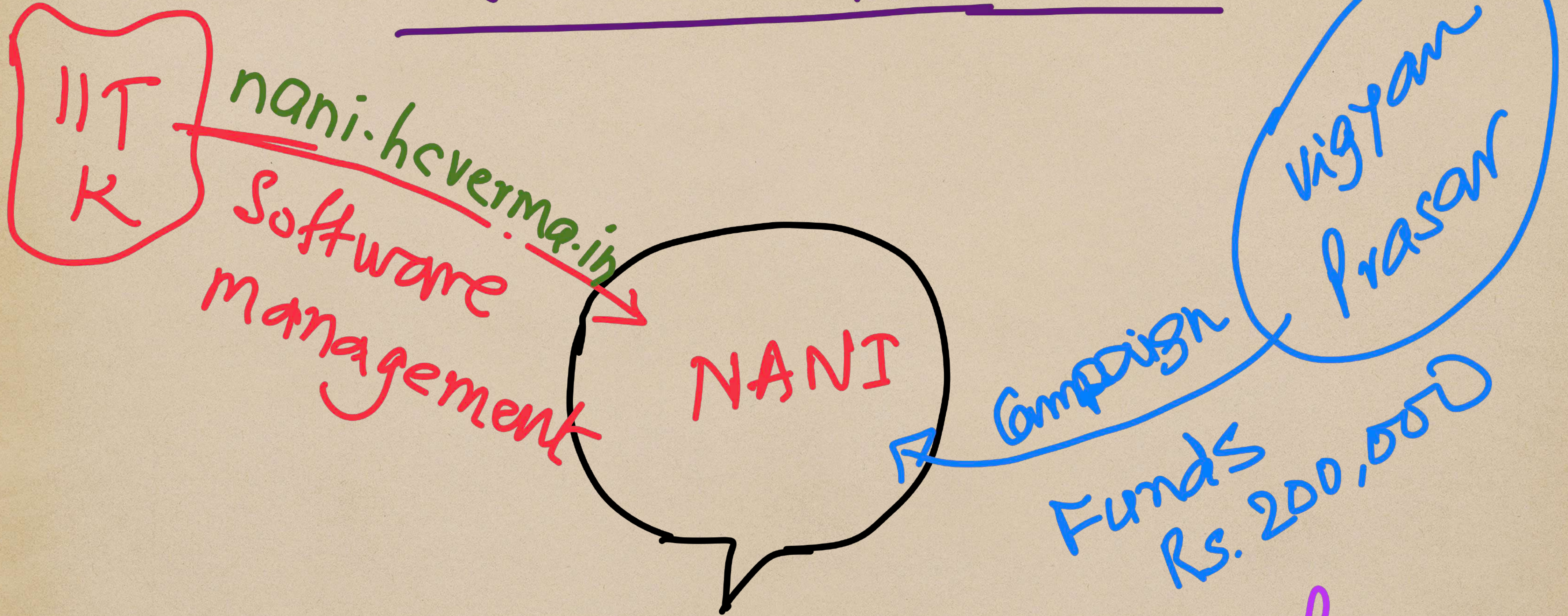
* New Format NAEEST

* Activities by Anveshikas

* Outreach to New Avenues

* Impact

NAEST 2020



NAEST. Screening + Prelims

NAEST 2020 - Screening

- 48000 + Registration
- Screening through
Videos of Short Experiments
followed by MCQ
- 1200 Selected for Next round

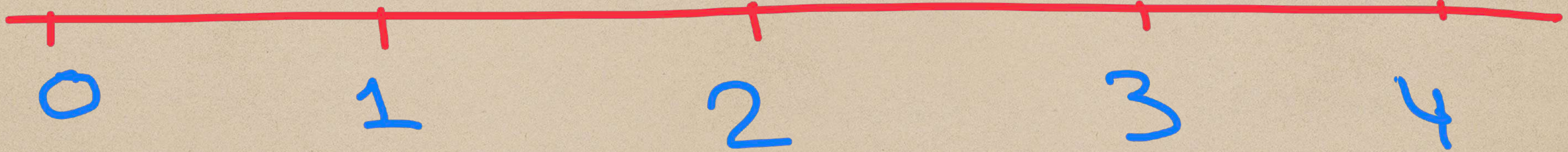
NAEST 2020 - Screening

Registration

- * Many Physics Expt videos posted
- * Thousands of questions answered by our team
- * Links to Physics Talks shared

Screening Test

Week



NAEST 2020 - Prelims

* 36 virtual Centres Created

* 118 evaluators selected

from RGS and other contacts

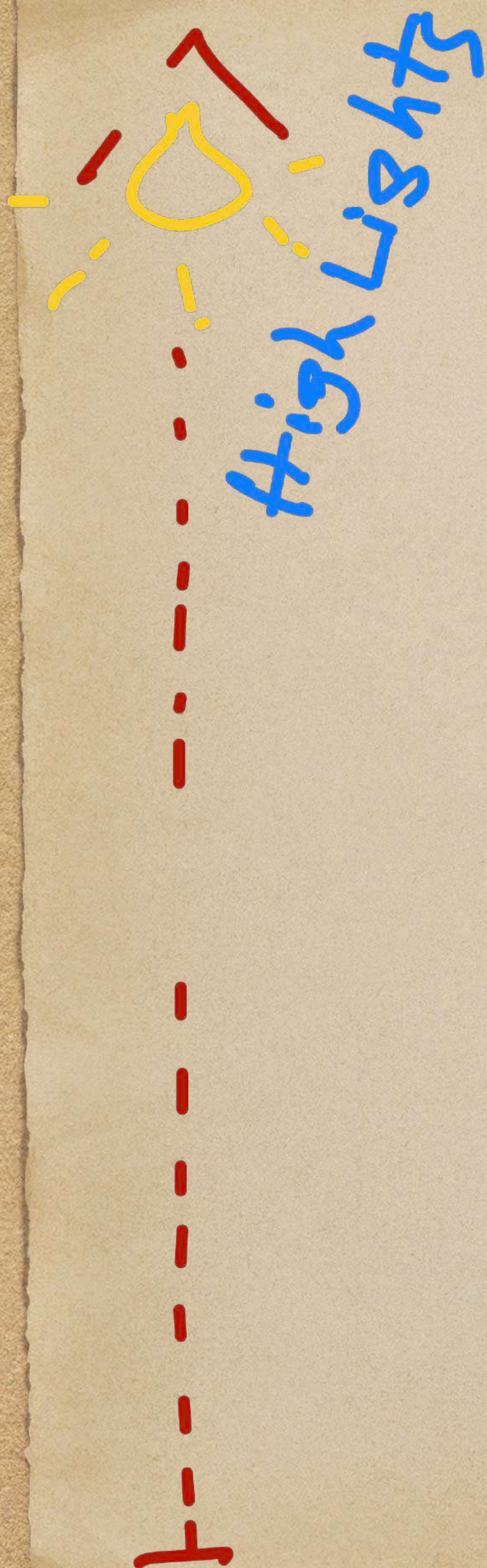
* 1200 students distributed at 36 centres

NAEST 2020 - Prelims

- * 3 Experiments designed to be done with home materials
- * Write ups sent to students

Highlights of Prelims Experiments

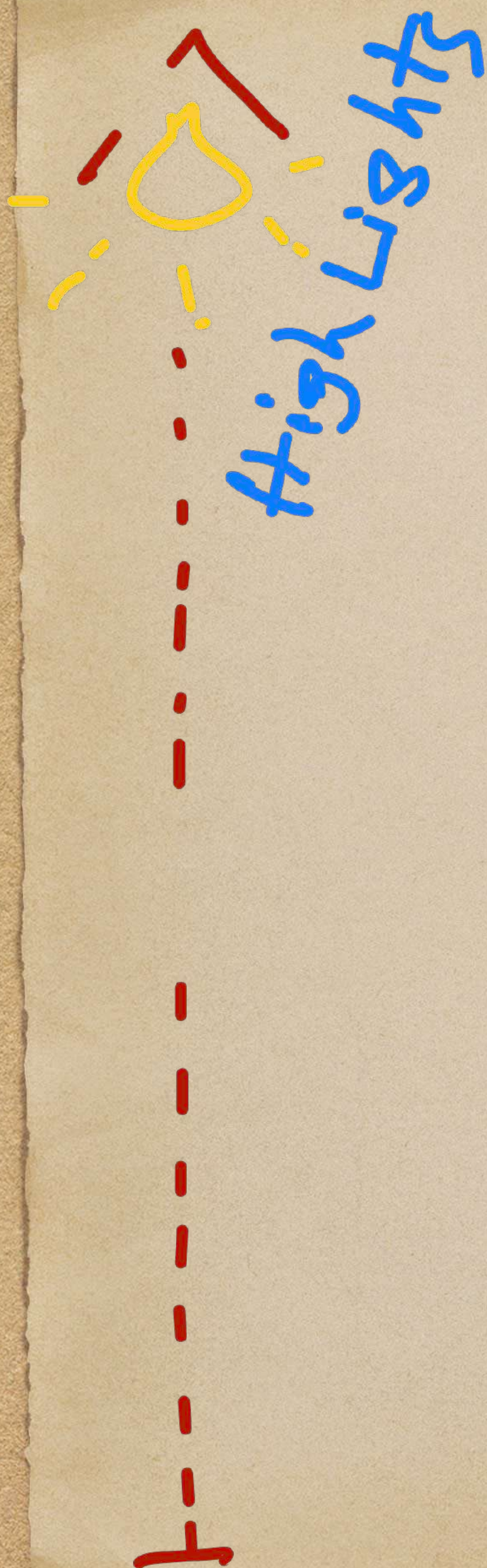
- * 72 hours for each Experiment
- * Allowed and encouraged to involve family members
- * Design the set up without any purchase or going to lab



No time constraint

72 hours of each Experiments

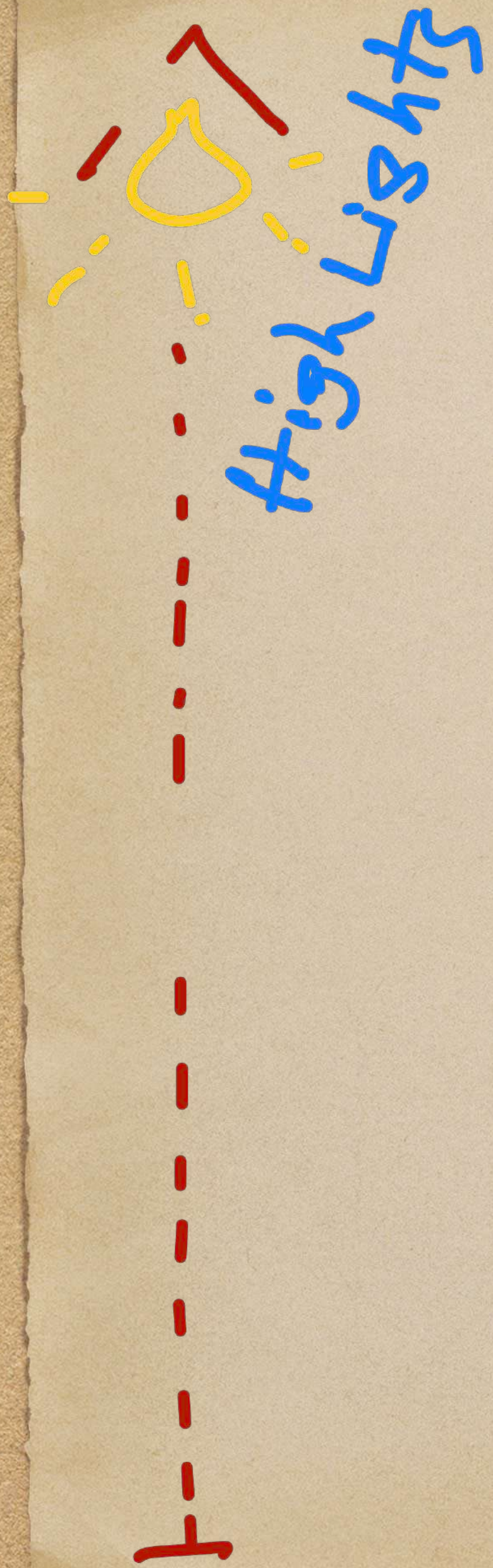
Extended if requested



No invigilation

Encouraged to involve
family members





आत्मनिर्भर घर

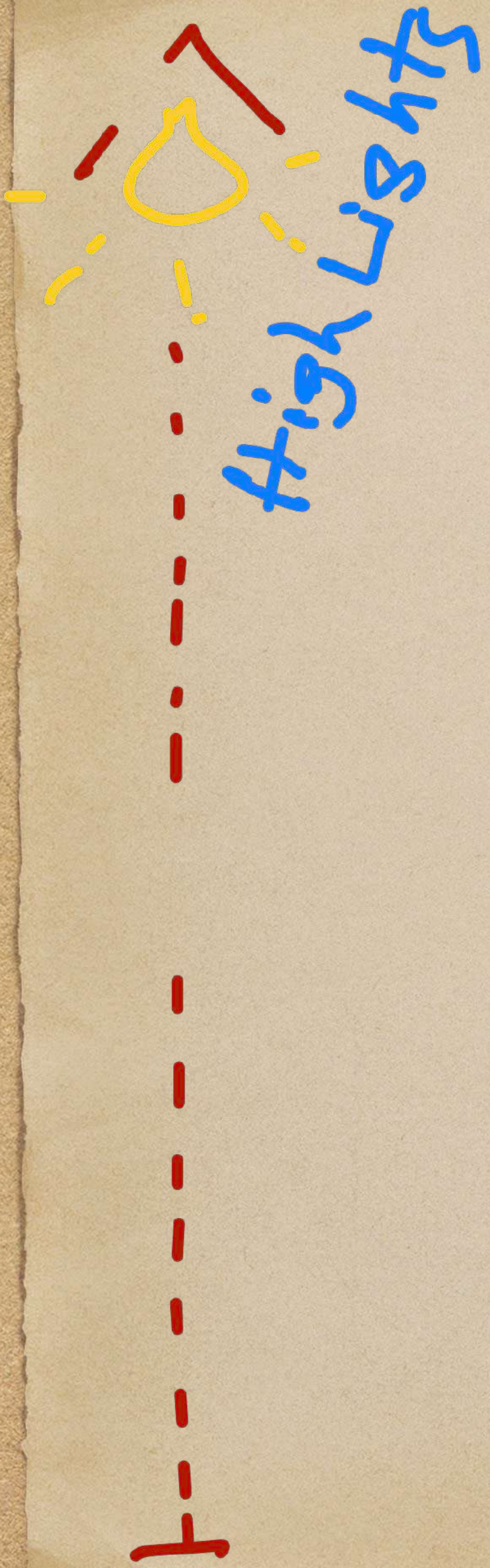
No going outside home

All Set up using household items

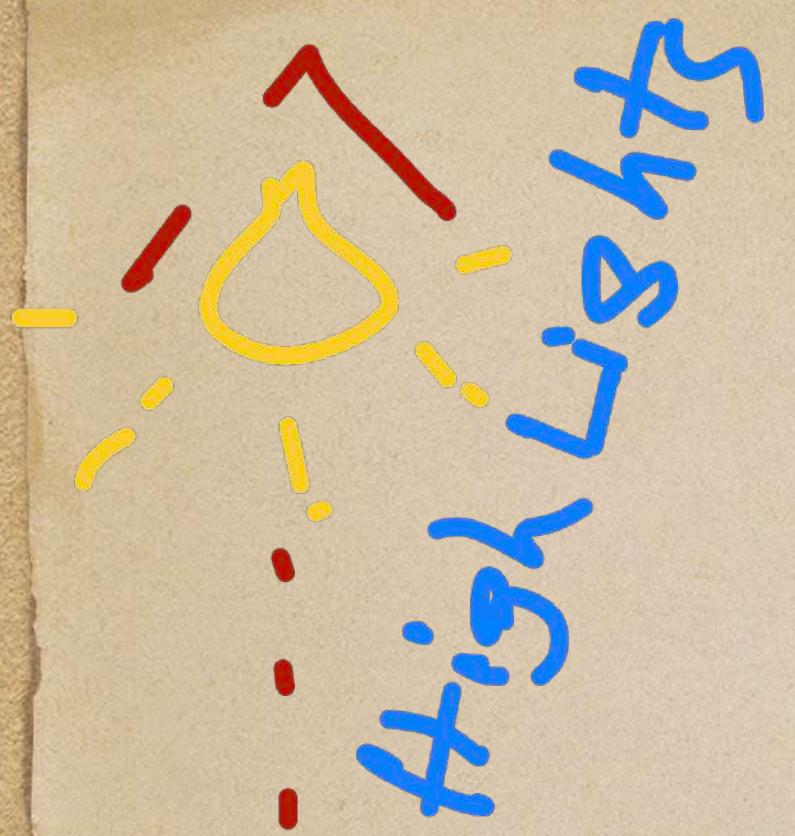
आत्मनिर्भर घर

1200 different set-ups

for the same experiment



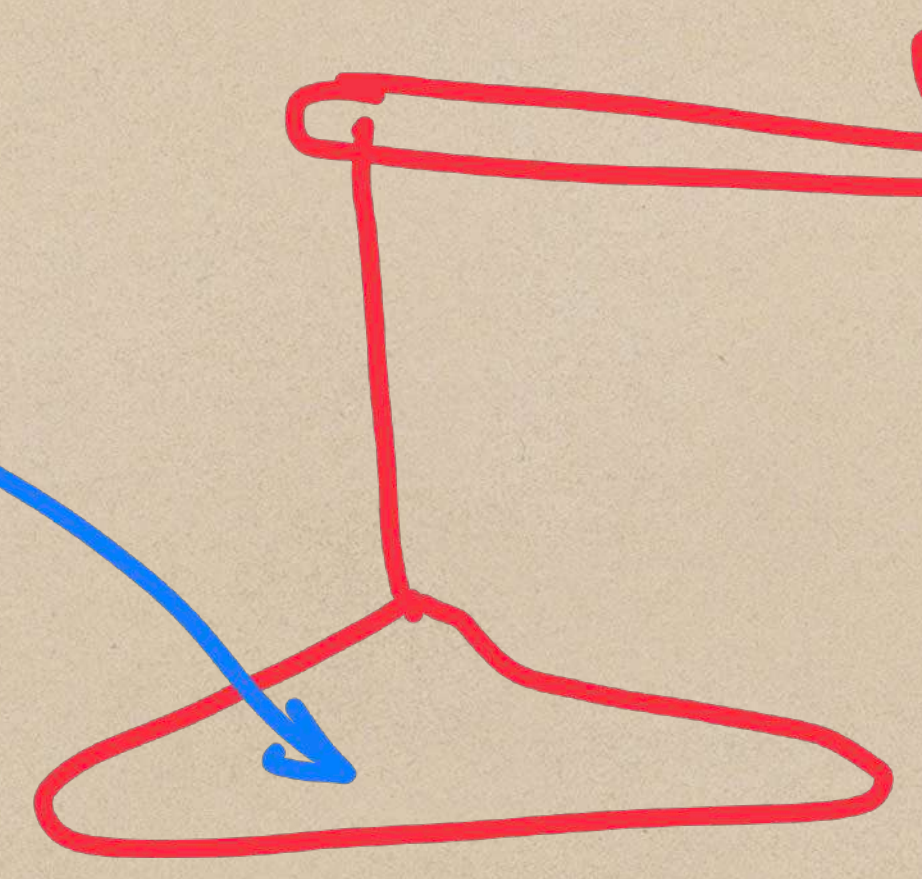
Extra Exploration



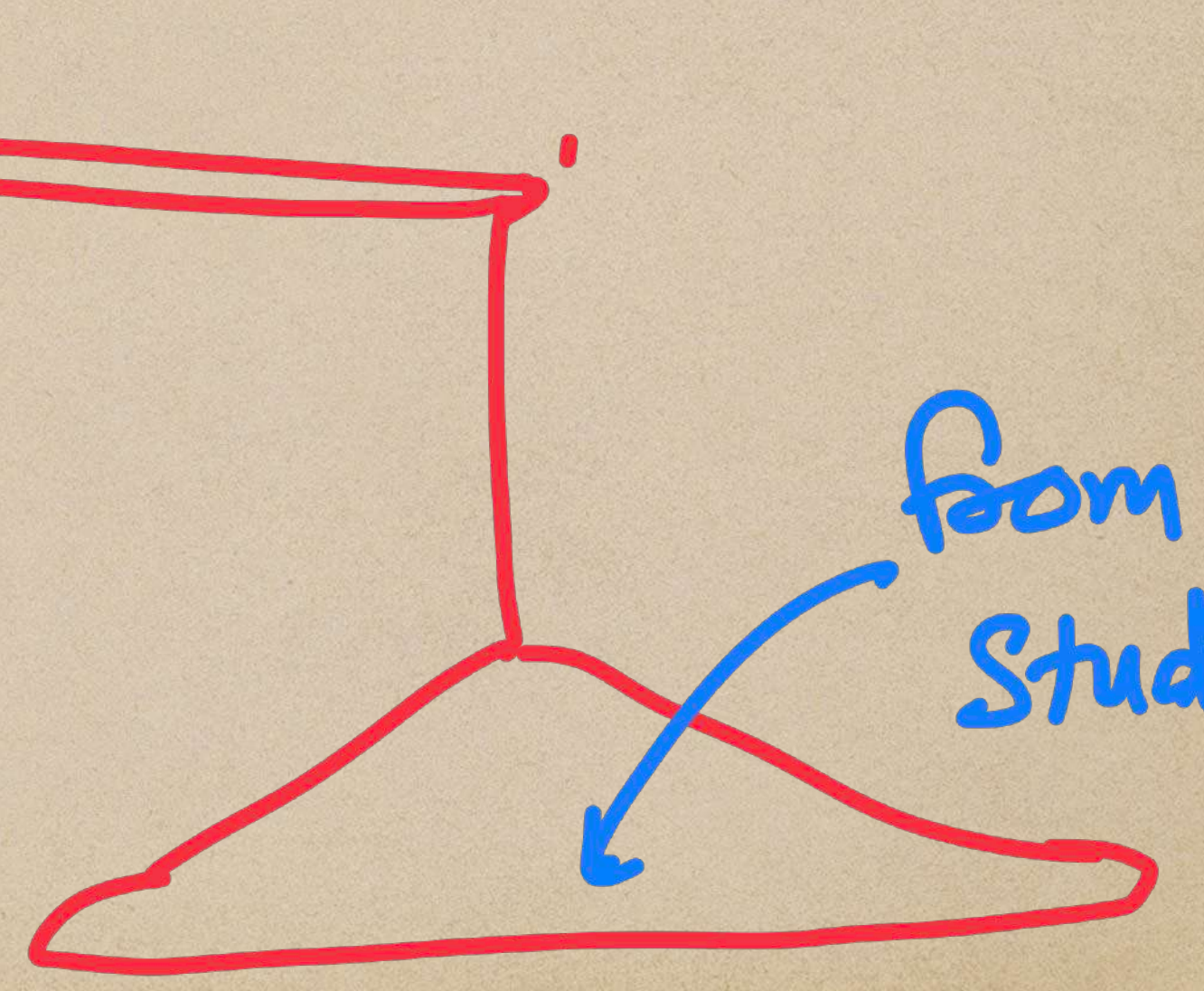
High Lights

Encouraged to
Extend the experiment
and investigate

from
NIANT



from
Students



Data Analysis

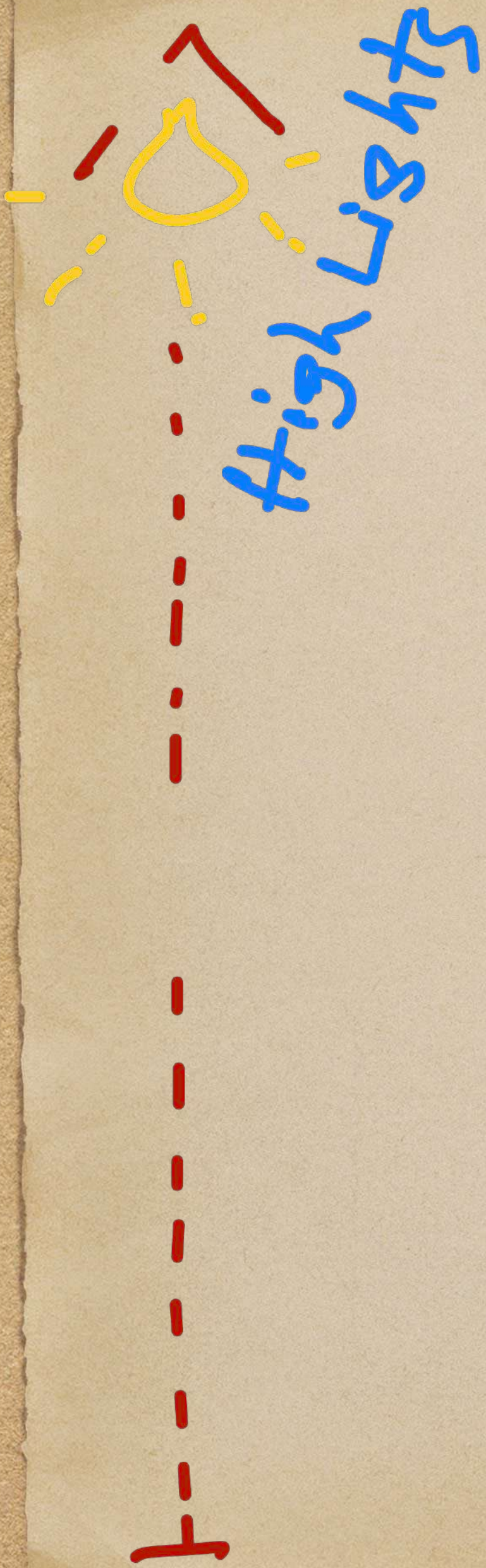
Tabulation

Mathematical & Statistical Analysis

Error estimation

Graphical Analysis

Conclusions to be drawn



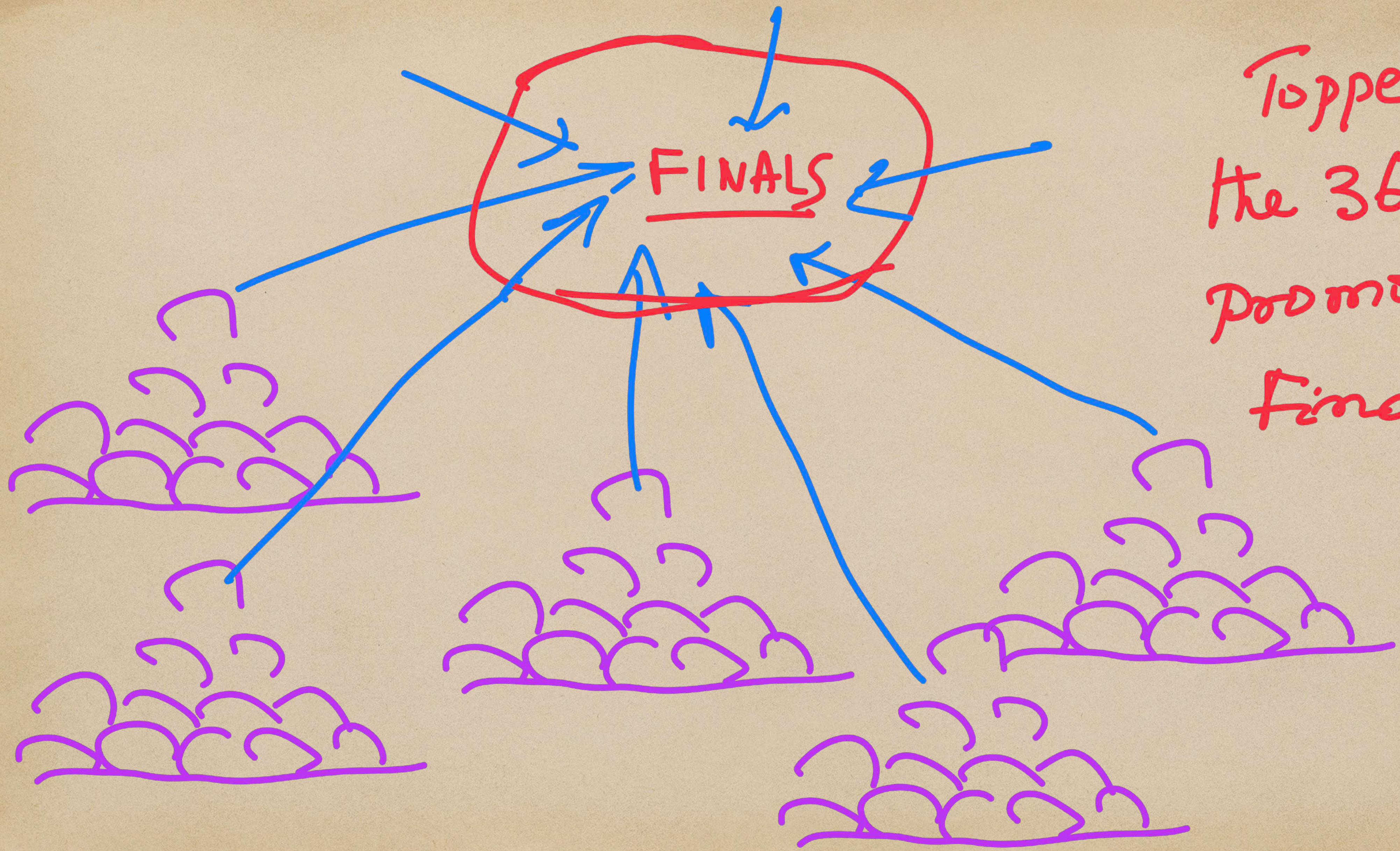
NAEST 2020 - Prelims

Report through Google drives

* Description

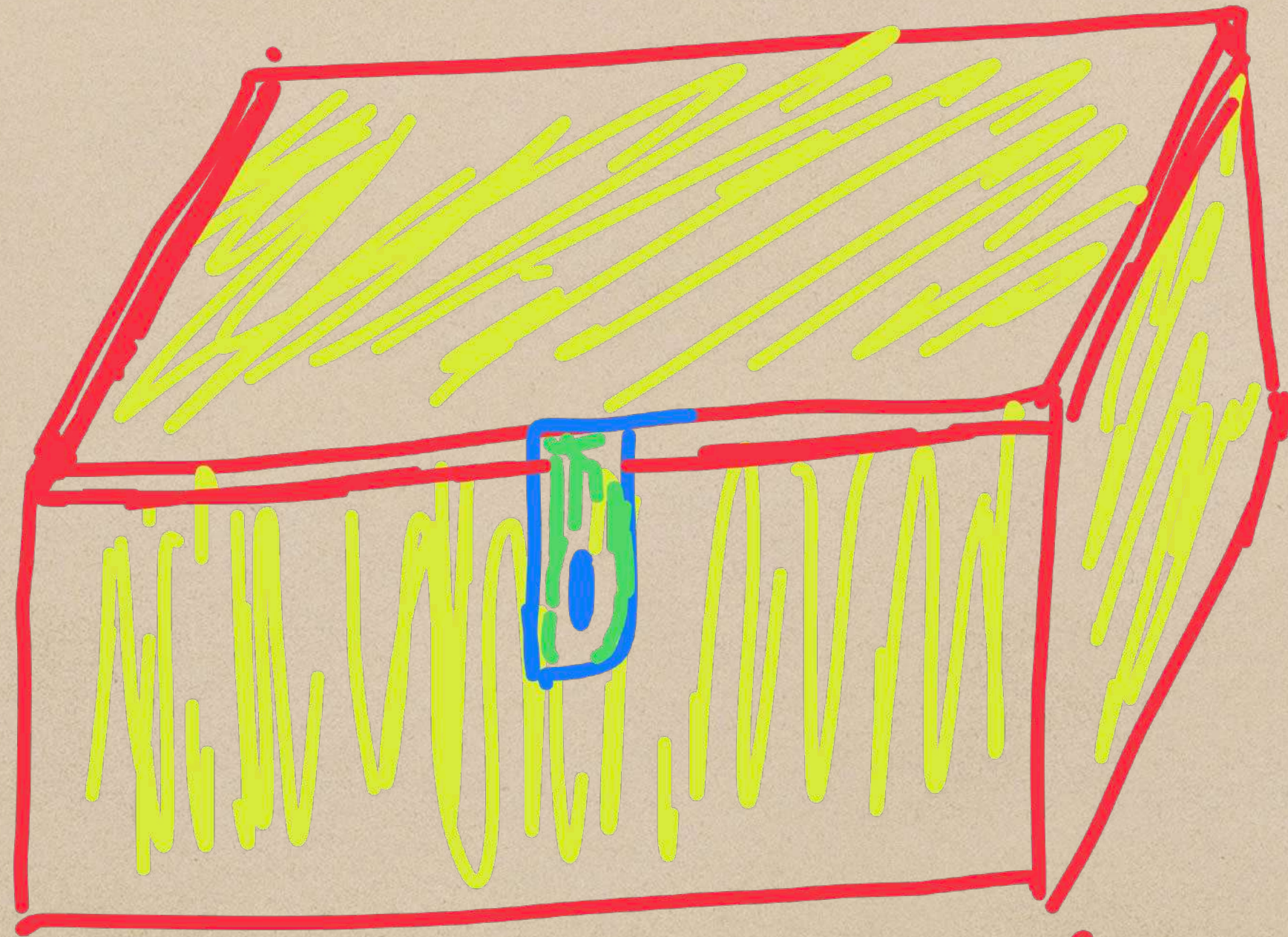
* Photographs

* Videos



Toppers of
the 36 centers
promoted to
Finals

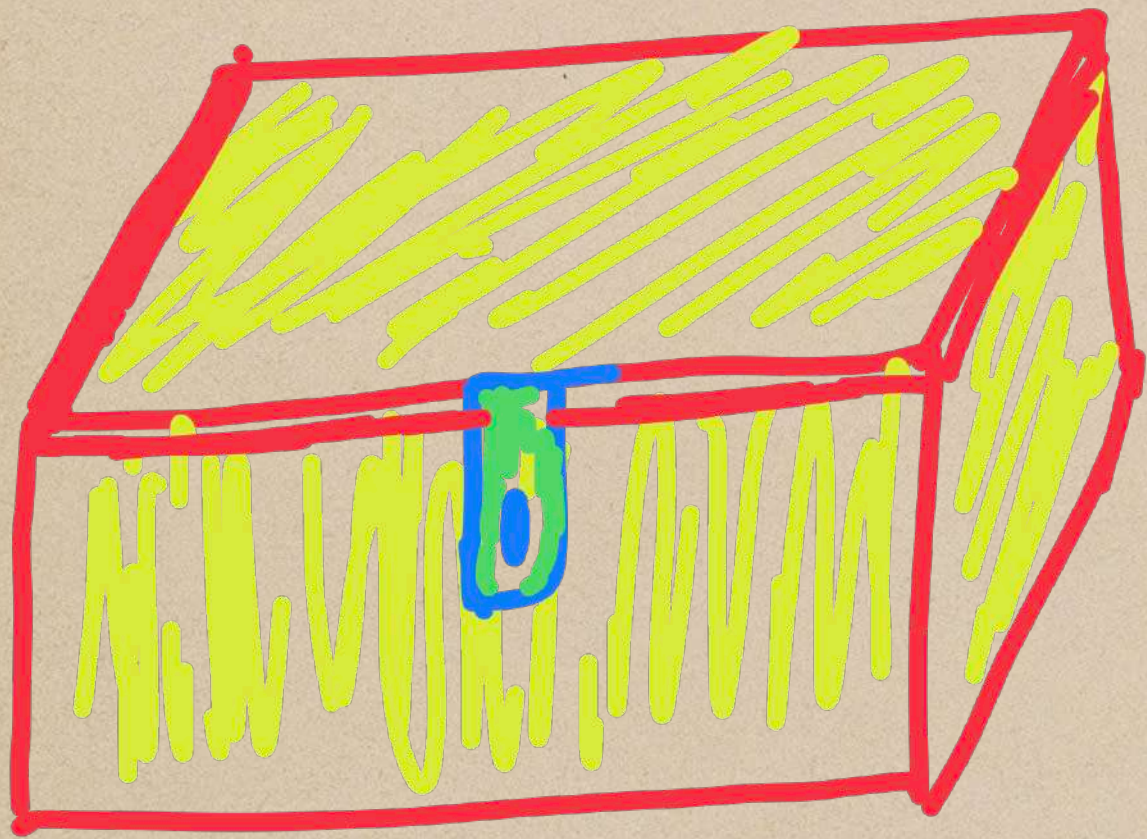
NAEST 2020-FINAL



NANI KA
DABBA

sent to All finalists

NAEST 2020 - FINAL



- * Multimeter
- * Compass
- * Magnets
- * Breadboard
- * Capacitors, resistances
- * Interface to convert Mobile Charger into Power Supply

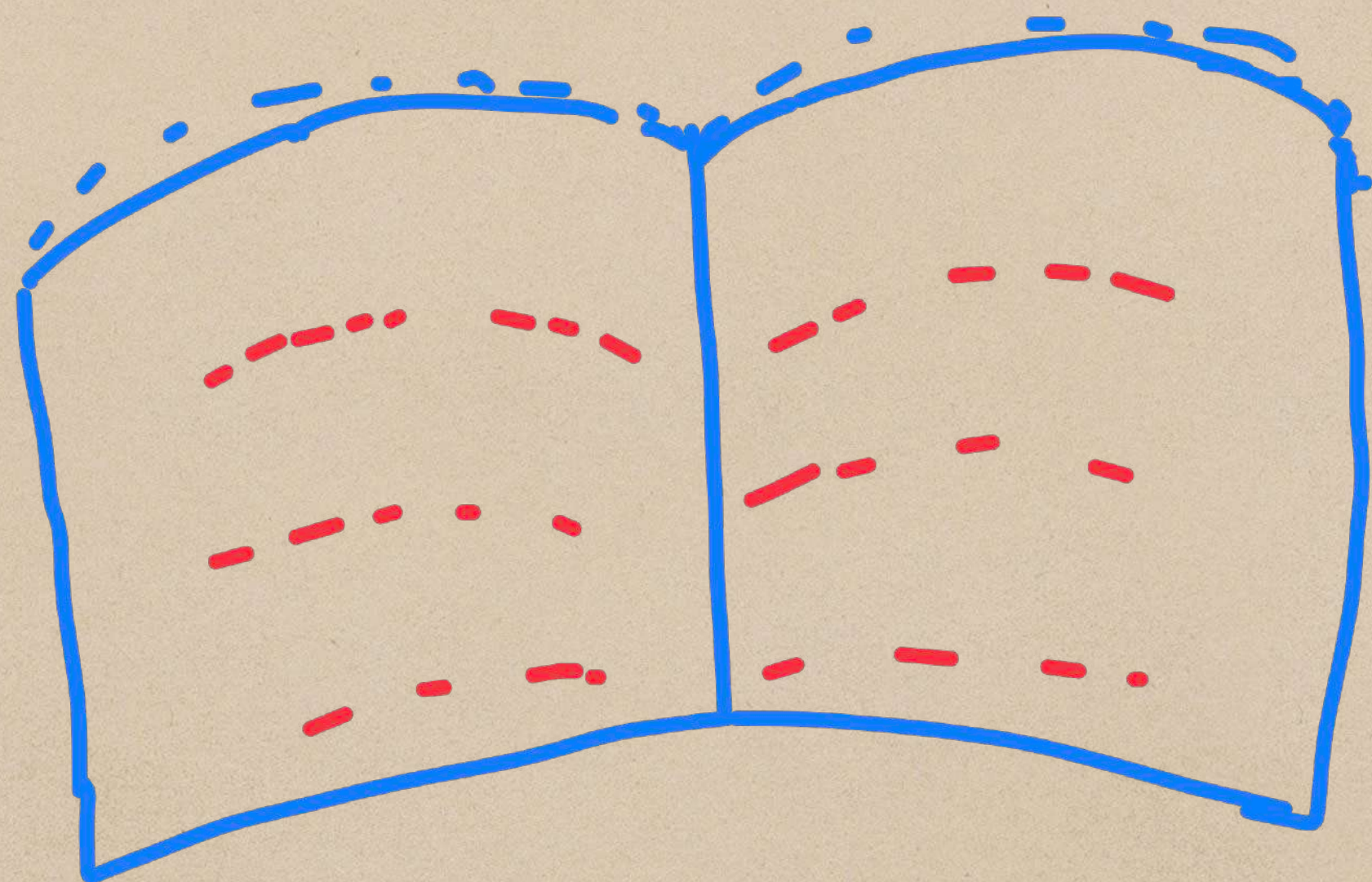
NAEST 2020-FINAL

3 Experiments

5 days

Extra Exploration encouraged

NAEST 2020-FINAL



Longest Report - 108 pages

NAEST 2020-FINAL

* Top 3 selected for

IAPT- Shilpa Nandkumar Memorial Award

* Top 10 offered

4-day Workshop by SGM-IAPT

Anveshka at Sopan Ashram, Kanpur