

SOPHIA
DAVIS

INDEPENDENT PROJECT TIMELINE

FRIDAY, SEPTEMBER 5 - START 3D MODEL OF ROBOT

★ DOCUMENT
PROCESS

☐ AUTODESK INVENTOR STUDENT

☐ START WITH TRASHCAN MODEL

☐ PRINT OUT ? START LABELING (OR SKETCH)
WHERE EACH COMPONENT GOES

MONDAY, SEPTEMBER 8 - ☐ FINISH LABELING COMPONENTS

★ DOCUMENT PROCESS

☐ ADD COMPONENT INTO 3D MODEL

☐ VIRTUAL WORK

--- WEEK 2 ---

FRIDAY, SEPTEMBER 12 - ☐ PRACTICE PROGRAMMING

★ DOCUMENT PROCESS

☐ TEST SENSORS

- SEE IF YOU NEED
MOTOR SHIELD
- DO YOU NEED A
CIRCUIT BOARD

MONDAY, SEPTEMBER 15 - ☐ PRACTICE PROGRAMMING

★ DOCUMENT PROCESS

☐ TEST SENSORS

☐ VIRTUAL WORK

--- WEEK 3 ---

FRIDAY, SEPTEMBER 19 - ☐ PRACTICE/TEST USING MULTIPLE

★ DOCUMENT PROCESS

SENSORS @ ONCE

☐ EMAIL INTERVIEW QUESTIONS

AND HOPE FOR RESPONSE!

MONDAY, SEPTEMBER 22 - ☐ COLLECT PRACTICE DATA

★ DOCUMENT PROCESS

☐ ASK IF MOM IS FREE AND

☐ VIRTUAL WORK

IF SHE CAN TAKE YOU TO PARK
IN KAHULUI FOR DATA (OTHERWISE
9/29 OR LATER ON
10/2)

☐ WALK TO BEACH & PARK

FOR AMBIENCE DATA

WEEK 4 →

INDEPENDENT PROJECT TIMELINE

Week 4

Friday, September 26

☐ CREATE WEBSITE ABOUT

* DOCUMENT PROCESS

REPORT (NEW, IN HANDS ABOUT

- @ School Dance

PICTURES + INFO FOR THEM)

Monday, September 29

☐ COLLECT PRACTICE DATA

* DOCUMENT PROCESS

✓ SENSORS @ PARK (if

Δ Wake-up Day if mom

was working 9/29)

had work on 9/22

* FALL BREAK STARTS

☐ COLLECT ADDITIONAL

HANDMADE MATERIALS

IF SHE DIDN'T

• MOTORS

• WHEELS

WORK ON 9/22

• BATTERIES

• WOODEN BOTTOM FOR ROLLER

☐ TEST MOTORS + BATTERIES

October

Week 5

Friday, ~~September~~ 3

☐ COLLECT PRACTICE DATA

* DOCUMENT PROCESS

W/ SENSORS @ PARK (if

Δ Wake-up Day if mom

she was working 9/22 + 9/29)

had work on 9/22 +

☐ COLLECT ADDITIONAL HANDMADE

MATERIALS

IF SHE DIDN'T

• MOTORS

• WHEELS

WORK ON 9/22 + 9/29

• BATTERIES

• WOODEN BOTTOM FOR ROLLER

☐ TEST MOTORS + BATTERIES

☐ UPDATE WEBSITE W/ NEW

INFO + BLOG POST? WEEK 6

ALSO WORK ON

WEBSITE LAYOUT

INDEPENDENT PROJECT TIMELINE

----- WEEK 5 ----- ^{CONTINUED}

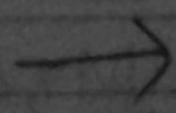
MONDAY, OCTOBER 6 - ☐ COLLECT ADDITIONAL
 ★ DOCUMENT PROCESS HARDWARE MATERIALS (IF NOT
 DONE ON 9/29 OR 10/3)
☐ TEST MOTORS + BATTERY (IF
 NOT DONE ON 9/29 OR 10/3)
☐ START UPLOADING FILES
 (SKETCHES, BLUEPRINTS, ETC.)
☐ PRACTICE PROGRAMMING +
 TEST SENSORS AGAIN ^{+ TEST Arduino}

----- WEEK 6 -----

FRIDAY, OCTOBER 10 - ☐ START BUILDING ROBOT
 ★ DOCUMENT PROCESS ☐ MOUNT ROBOT ON WOODEN
 BOTTOM + ADD WHEELS + MOTORS
 + BATTERY ^{→ PRACTICE connecting}
^{+ RESEARCH using Arduino 1}
^{TABLET PC}

MONDAY, OCTOBER 13 - ☐ TEST CHANNELS? - PRACTICE USING 8 CHANNEL
 RELAY ON
 ★ DOCUMENT PROCESS ☐ FINISH UP FROM 10/10 ^{motor shield?}
☐ ADDITIONAL RESEARCH ^{on 10/10}
 (BACK IN SCHOOL?) ----- WEEK 7 -----

FRIDAY, OCTOBER 17 - ☐ MAKE-UP DAY FOR STUFF
 ★ DOCUMENT PROCESS YOU DIDN'T FINISH
 Δ MAKE-UP DAY



INDEPENDENT PROJECTS TIMELINE

MONDAY, OCTOBER 20

★ DOCUMENT PROCESS

— ☐ START PUTTING TOGETHER

FINAL CIRCUIT

— WEEK 8 — — — — —

FRIDAY, OCTOBER 24

★ DOCUMENT PROCESS

— ☐ CONTINUE PUTTING TOGETHER

FINAL CIRCUIT

MONDAY, OCTOBER 27

★ DOCUMENT PROCESS

— ☐ FINISH FINAL CIRCUIT

— WEEK 9 — — — — —

FRIDAY, OCTOBER 31

☺ HALLOWEEN

— ☐ HALLOWEEN - BREAK

MONDAY, NOVEMBER 3

★ DOCUMENT PROCESS

— ☐ ~~FINISH~~ ADD FINAL CIRCUIT

TO ROBOT

~~FINISH~~ ☐ ~~HOOK~~ HOOK UP CIRCUIT
TO MOTOR + WHEELS

— WEEK 10 — — — — —

FRIDAY, NOVEMBER 7

★ DOCUMENT PROCESS

— ☐ UPDATE WEBSITE

MONDAY, NOVEMBER 10

★ DOCUMENT PROCESS

— ☐ FINISH UP ROBOT

— WEEK 11 — — — — —

FRIDAY, NOVEMBER 14

★ DOCUMENT PROCESS

— ☐ TEST ROBOT

☐ EDIT IF NECESSARY

INDEPENDENT PROJECT TIMELINE

- MONDAY, NOVEMBER 7 — ☐ MAKE-UP DAY
NAME OF DAY ☐ TEST TO SEE WHAT WENT WRONG (IF IT DID)
☐ CONSULT DAD FOR QUESTIONS IF IT STILL DOESN'T WORK
— WEEK 12 — — — —
- FRIDAY, NOVEMBER 21 — ☐ BRING ROBOT TO DIFFERENT LOCATIONS AND TEST + RECORD DATA → EMAIL
☐ EVALUATE DATA + PUT TOGETHER GRAPHS + ~~CONCLUSION~~
~~CONCLUSION~~ (CONTINUE TO NEXT ~~DAY~~ IF NEEDED)
- MONDAY, NOVEMBER 24 — ☐ UPDATE WEBSITE
DOCUMENT PROCESS ☐ PAINT TO LOOK LIKE R2D2
— — — — WEEK 13 — — — —
- FRIDAY, NOVEMBER 28 — ☐ BRING ROBOT TO DIFFERENT LOCATIONS AGAIN + TEST
DOCUMENT PROCESS ☐ EVALUATE DATA + PUT TOGETHER GRAPHS
☐ CONCLUSION + LAY PLANNING
- MONDAY, DECEMBER 1 — ☐ MY BIRTHDAY
DOCUMENT PROCESS ☐ UPDATE WEBSITE
☐ MY BIRTHDAY →

INDEPENDENT PROJECTS TIMELINE

WEEK 14

FRIDAY, DECEMBER 5

★ FINAL DOCUMENTATION
(OF CONCLUSION)

☐ FINISH VIDEO + EDIT

☐ UPLOAD TO WEBSITE

MONDAY, DECEMBER 8

☒ PRACTICE PRESENTATION

☐ FINISH WEBSITE

☐ PRACTICE PRESENTATION
+ WORK ON SCRIPT

WEEK 15

FRIDAY, DECEMBER 12

☒ PRACTICE PRESENTATION

☐ PRACTICE PRESENTATION

MONDAY, DECEMBER 15

☒ PRACTICE PRESENTATION

☐ PRACTICE PRESENTATION

WEDNESDAY

DECEMBER 17

☐ PRESENTATION

DONE! :D