

Design Notebook

The following pages are taken from team Design Notebooks from past Junior Solar Sprint competitions that the officials picked out to use as examples. Note that the layout and specific content showcased are not official rules, but rather ideas and suggestions for creating the notebooks that the judges from that particular year liked.

Please refer to the official rules for what is required in each section.

Time Log

3/15/17	<ul style="list-style-type: none"> • we started to build the car • one problem we had was the wheels were too close to another
3/17/17	<ul style="list-style-type: none"> • we were done with the car and it was going in a straight line.
3/18/17	<ul style="list-style-type: none"> • we fixed the car and it was the fastest.
3/27/17	<ul style="list-style-type: none"> • we started the big so • we started the logbook
3/28/17	<ul style="list-style-type: none"> • me and Evan started to look at all the data and see what the problems were.
3/30/17	<ul style="list-style-type: none"> • we finished the car and started testing it. • we notice that the motor was too low.
4/3/17	<ul style="list-style-type: none"> • The car was done but when we tested it the black wire was close to the motor causing it to go slow.
4/4/17	<ul style="list-style-type: none"> • The car was going everywhere and our solution was to lift the motor up a little.
4/5/17	<ul style="list-style-type: none"> • The car was going slow because the motor was too low.
4/5/17	<ul style="list-style-type: none"> • we started to do the trials and we also tweaked it a little.
4/6/17	<ul style="list-style-type: none"> • Adjusted the car by fixing the motor and by fixing the wires
4/7/17	<ul style="list-style-type: none"> • Tested it one last time.

Project log may be put in a table
Handwritten is preferred

Tuesday, March 29, 2016 - day 22

engineer came in
took off battery holder
and AA, we modified
we put it back on

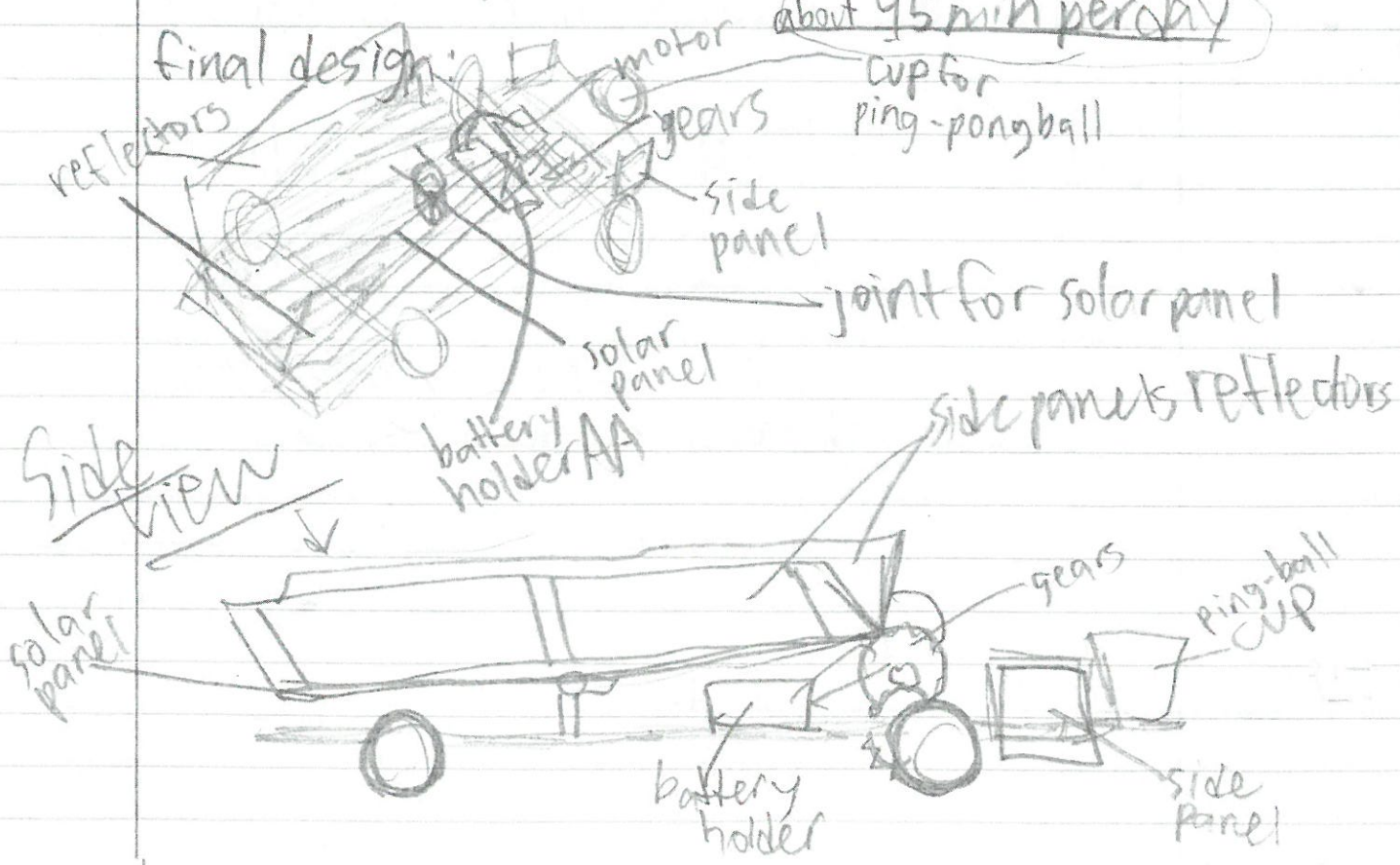
Include
working
sketches

Wednesday, March 30

We fixed battery holder
is modified to fit AA now

Thursday, March 31, 2016 - day 25

We went outside to test final design,
total time spent on vehicle: 26 days,
about 45 min per day



Feb 21

Day One

Today we started testing ~~the~~^{which} materials we wanted to use for the chassis. My partner and I decided to use balsa wood. We also drew the design.

Feb 28

Day 2

Today we cut the design for our car. But ~~was~~ when the balsa wood was cut it stripped. That's ~~when~~ when we sanded the car down to make our water bottle / bowling pin figure.

Day 3 March 2

Today we began wheels with an cut out a rectangular back so that it u to the motor. We also spacers on the car the wheels on as well the gear so that the move.

Document
problems &
solutions

Junior Solar Sprint Competition Project Log

Date	Task	Time involved	Team member responsible	Obstacles encountered	Modifications made	Comments
11/8/16	Cut out final car out of balsa	30 minutes	Member 1 Member 2	Edges were uneven	Sanded edges until they were even	Should have been more careful
11/11/16	Lined up plastic bearing	15 minutes	Member 1	Wasn't straight	Re-did a few times	Should have gone slower
11/15/16	Found coffee straws for axle holders	10 minutes	Member 2	Straw got bent	Found more	
11/23/16	Cut out axles	5 minutes	Member 1	Axle bent		ve
12/26/16	Glued gear to axle	15 minutes	Member 1	gear		
1/19/17	Glued motor on car	5	Member 2	None		
1/30/17	Glued on to			aren't aight		

Document time spent & which members worked on the car

Entries are to be recorded the day they are done - if typed include original pages also

Log

Page	Location	Topic	Time	Date	Page
1	Ryan's House	Log	6:35pm	February 17 2017	
2	Ryan's House	Strengths/Weakness	6:39pm	February 17 2017	
3	Ryan's House	Rules	6:40pm	February 17 2017	
4	My house (Tyler)	Web explanation	1:45pm	February 19 2017	
5	Ryan's house	Research ^{gen. notes}	6:15pm	March 10 2017	
6	My house (Tyler)	aerodynamics	6:45pm	March 10 2017	
7	my house (Tyler)	Friction	11:36am	March 11 2017	
8	Tire Size →	← Tyler House	12:11am	March 11 2017	
9	Tyler's house	Design ideas	12:00pm	March 13 2017	
10	Ryan's house	Discussing	6:16pm	March 21 2017	
11	Tyler's house	Final Design	1:32pm	March 25 2017	
12	Ryan's house	Pictures	11:47am	April 2 2017	
13	Tyler's house	Reflection	7:08pm	April 2 2017	
14	Tyler's house	Bibliograph	8:01pm	April 2 2017	
15	Tyler's house	Measure		2017	

Nice extra touch - a Log table of contents that shows information at a glance