REVERSE ENGINEERING A PINE WOOD DERBY CAR BY: CAMDEN BOGENRIEDER, ELI PARKER, CHASE ROSELAND

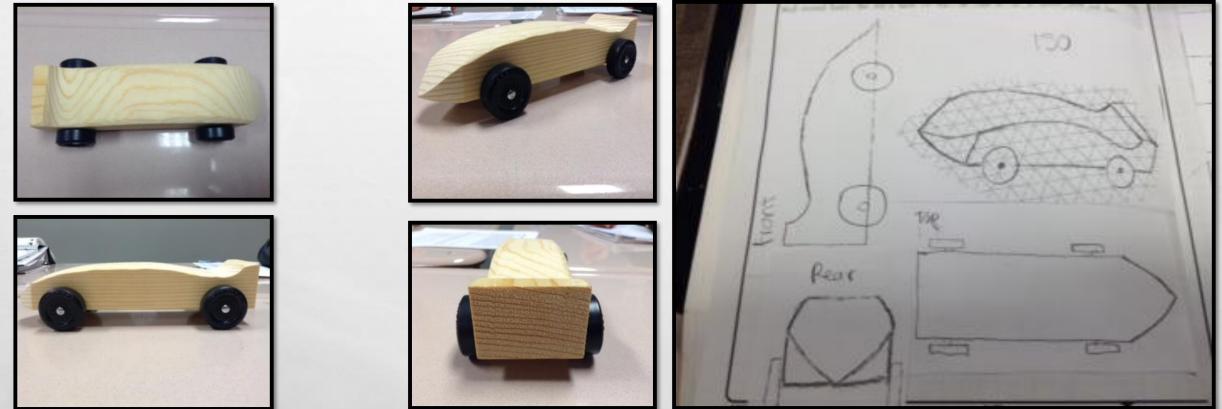
VISUAL ANALYSIS:

E Fa

135

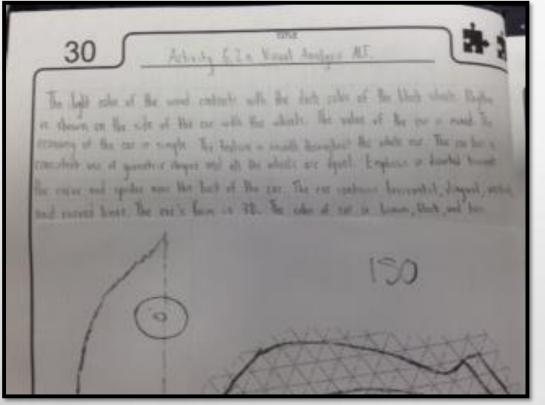
S. or

IN CALL STAN



and the

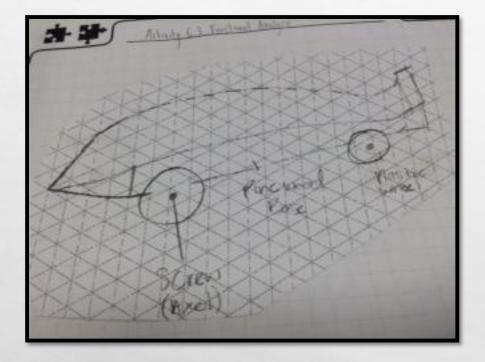
VISUAL ANALYSIS:



and the Rote of the Acar

-

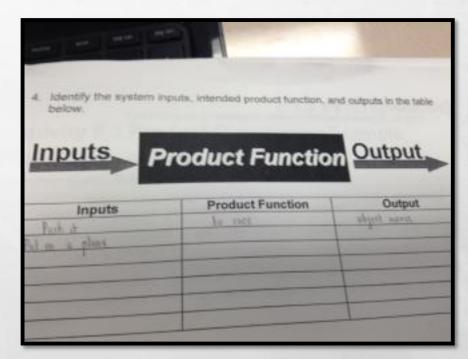
FUNCTIONAL ANALYSIS:



The main purpose/function of the Pine Wood Derby Car is to express creativity, race on a inclined plane, and to just have fun.

FUNCTIONAL ANALYSIS:

The object moves depending on the friction between the wheel and the surface that the object is rested on. The object's speed is determined on the angle of the inclined plane it is placed on and the total weight of the object. Without the incline plane it needs a push, pull, or another force in order to move it.



STRUCTURAL ANALYSIS:

Tame: The proved Manager Dansity Manager					Ma	embers:	(her Verbed Goodin Begeneter		2		
Part	Part Name	av	Dimensions	Function		1.42	1 Mile		_Bbd		General Notes (i.e.; wear, stress
-	Need	1	Calux 1.00	France have	1 and	1º	t	Mass Texture Interaction with or and Other Parts Weight Finish	(rek = lak age		
-	Daty	1.1	1.15	Speak for making	Partie	1		90 year	Smalle	5th an hip of aduration of the	1
2	Plant	4	-	Little a Mar ma hale	1994	13	6	in gui		Apass In gass ou	tane draw fait
3	Series	"	1.041	Hills which he are hely	+	+		Igrams	Marthy Smith	motion Rathe school whe	and see for
			1		-+		T	Lynn	South	Ent.	

A CALL STORE

(Anderson)

STRUCTURAL ANALYSIS:

1

Pine Wood Derby Car	Wheels	Screws/Axels

Only notable damage/wear is a crack on the back right caused by making the track for the axels .

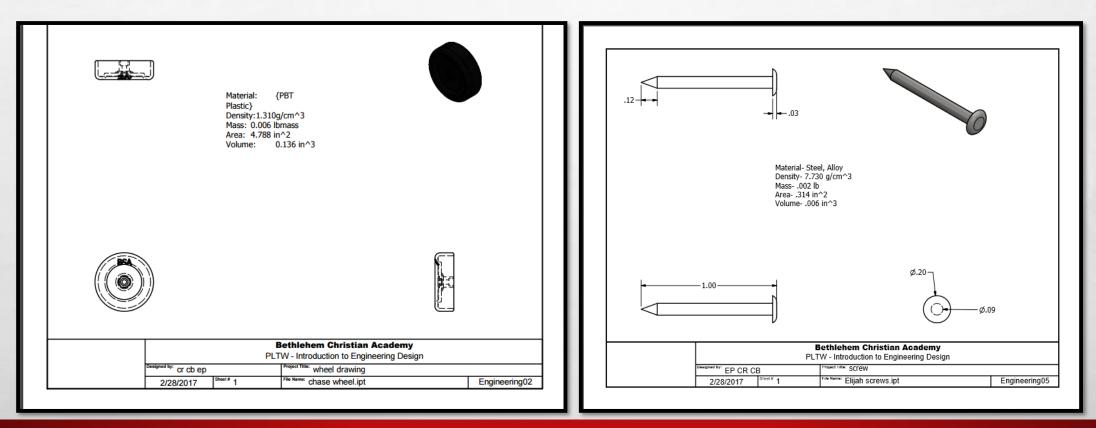
的是自然的人物理论的感

and the second

CAD MODELS:

A Sta

Se at



and the

CAD MODELS:

	1.75	
Density Mass: Area- 4	I- Wood (Walnut) . 550 g/cm^3 238 lb 0.574 in^2 - 11.961 in^3	
7.00 R1.75	-	
		1.25
	Bothlohom Christi	an Acadomy
	Bethlehem Christi PLTW - Introduction to E	
Georgined by: EP CB CR 2/28/2017 Strict # 1	PLTW - Introduction to E	

E Fa

a star

A SHARE THE REPORT OF A SHARE A SHARE

. . .

Sec. 1

teres.

PRODUCT IMPROVEMENT:

Product Improvement could include adding some form of locomotion to the car besides using only a push, pull, or inclined plane for movement. The vehicle could also have the wheels secured to the body in a better manner.

