CATAPULT CREATION

Good day, Jamestown Settler! You have done an excellent job building your fort to protect yourself from those roguish Spanish and Natives! Our weapons will be helpful, but we need something that will protect us from advancing attackers. You must build a catapult! King James will give you 100 sovereign coins (2,000 shillings) to complete your catapult. You will be able to spend your money on the supply ships that come to the New World.

The design must satisfy the following requirements in order to be adopted:

- Your team must decide on a purpose for the catapult before starting construction. Please write the purpose of your catapult in the space below. Construction cannot begin until the purpose is written down.

  • 1 foot high

  ° 4 feet long

- All team members must agree on the final design.
- The contract goes to the design that succeeds and costs the least.
- Your team may send only ONE person to the Supply Ship at a time.
- Your team may only send ONE person to the Tool Rental Deck at a time.
- You must keep track of EVERYTHING you use during construction. Unless it can be returned to the Supply Ship, your team must pay for it.

Godspeeders

1. How will we make it strong?

wood and screws

2. How heavy will it be?

3 pounds at the most and 2 pounds at the least

3. How much money will it cost?

I looked at the materials and the pictures and it should cost $6 coins.

4. How does a catapult work?

You pull a lever that makes it fire.

5. What are the parts of a catapult?

frame, counter wieght beam, sling, guide chute

6. Will it work?

I looked at pictures and related them to the materials and it should work

7. Is it portable?

probably

8. What will it shoot?

pipe cleaners rolledup. (maybe dowels)

9. How big will it be?

At the ... 1½ ...

10. How fast will it go?

can not answer

Name _____

Website Evaluation Checklist
Elementary Students

Website Address: Trebuchetstore.com

	What is the domain Name?		
1.	☐ .edu ☐ .mil ☐ .gov ☐ .kids ☐ .org ☐ .k12 ☐ .net ☑ .com		

	Does the web page author have...		
2.	their name on the website?	ⓨ	n
3.	a company name, organization or school name on the website?	y	n
4.	E-mail address on the website?	y	ⓝ

	Is the website current?		
5.	Is the date created on the website?	y	ⓝ
6.	Date updated or revised on the website	y	ⓝ

	What do think about the quality of the site?		
7.	Does it have quality information?	y	ⓝ
8.	Is it easy to read?	ⓨ	n

	Are there any structural errors?		
9.	Are there spelling or grammatical errors?	y	ⓝ

	What does the website try to do		
10.	☐ Inform you ☑ Persuade you ☐ Explain something ☐ Entertain you		

	Was the site easy to navigate?		
11.	Links worked	ⓨ	n
12.	Well organized	ⓨ	n

	What is your conclusion?		
13.	Is the site good for the purpose you want?	y	ⓝ

	Grade this website.	
14.	1 ② 3 4 5	

Comments: List anything you found that is wrong with the site that was not covered above.

Name **Brian and Turth and Nick**

Website Evaluation Checklist
Elementary Students

Website Address: http // www.bbc.co.uk

What is the domain Name?

| 1. | .edu ☐   .mil ☐   ■ co.uk
.gov ☐   .kids ☐
.org ☐   .k12 ☐
.net ☐   .com ☐ |

Does the web page author have...		
2.	their name on the website?	y **(n)**
3.	a company name, organization or school name on the website?	**(y)** n
4.	E-mail address on the website?	y **(n)**

Is the website current?		
5.	Is the date created on the website?	y **(n)**
6.	Date updated or revised on the website	y **(n)**

What do think about the quality of the site?		
7.	Does it have quality information?	y **(n)**
8.	Is it easy to read?	**(y)** n

Are there any structural errors?		
9.	Are there spelling or grammatical errors?	y **(n)**

What does the website try to do
10.	☐ Inform you ☐ Persuade you ☐ Explain something ■ Entertain you

Was the site easy to navigate?		
11.	Links worked	**(y)** n
12.	Well organized	**(y)** n

What is your conclusion?		
13.	Is the site good for the purpose you want?	y **(n)**

Grade this website.	
14.	1 **(2)** 3 4 5

Comments: List anything you found that is wrong with the site that was not covered above.

Name **Brian and Twrth and nick**

Website Evaluation Checklist
Elementary Students

Website Address: www.2ths.eeu

What is the domain Name?		
1.	☑ .edu ☐ .mil ☐ .gov ☐ .kids ☐ .org ☐ .k12 ☐ .net ☐ .com	

Does the web page author have...		
2.	their name on the website?	ⓨ n
3.	a company name, organization or school name on the website?	ⓨ n
4.	E-mail address on the website?	y ⓝ

Is the website current?		
5.	Is the date created on the website?	ⓨ n
6.	Date updated or revised on the website	ⓨ n

What do think about the quality of the site?		
7.	Does it have quality information?	ⓨ n
8.	Is it easy to read?	ⓨ n

Are there any structural errors?		
9.	Are there spelling or grammatical errors?	y ⓝ

What does the website try to do		
10.	☑ Inform you ☐ Persuade you ☐ Explain something ☐ Entertain you	

Was the site easy to navigate?		
11.	Links worked	ⓨ n
12.	Well organized	ⓨ n

What is your conclusion?		
13.	Is the site good for the purpose you want?	ⓨ n

Grade this website.	
14.	1 2 3 ④ 5

Comments: List anything you found that is wrong with the site that was not covered above.

Name **Flying Rocks**

Website Evaluation Checklist
Elementary Students

Website Address: http://www.stinthecastle.com/catapult/make-the-teeny-tiny-catapult.htm

What is the domain Name?			Are there any structural errors?			
1.	☐ .edu ☐ .mil ☐ .gov ☐ .kids ☐ .org ☐ .k12 ☐ .net ☑ .com		9.	Are there spelling or grammatical errors?	y	n ✓

Does the web page author have...				What does the website try to do		
2.	their name on the website?	y	n ✓	10.	☑ Inform you ☑ Persuade you to build catapult ☐ Explain something ☐ Entertain you	
3.	a company name, organization or school name on the website?	y	n ✓			
4.	E-mail address on the website?	y	n ✓			

Is the website current?				Was the site easy to navigate?		
5.	Is the date created on the website?	y	n ✓	11.	Links worked	y ✓	n
6.	Date updated or revised on the website	y	n ✓	12.	Well organized	y ✓	n

What do think about the quality of the site?				What is your conclusion?		
7.	Does it have quality information?	y ✓	n	13.	Is the site good for the purpose you want?	y ✓	n
8.	Is it easy to read?	y ✓	n	**Grade this website.**			
				14.	1 2 3 ④ 5		

Comments: List anything you found that is wrong with the site that was not covered above.

CATAPULT CREATION
Brainstorming

Paper
Plastic Cups
Ping-Pong Balls
Straws
Strings
Dowels
Rubber Bands
Fabric
Foam

this is
a maybe
idea

ping-pong
ball

plastic
cup

popsicle
sticks

pipe-cleaner
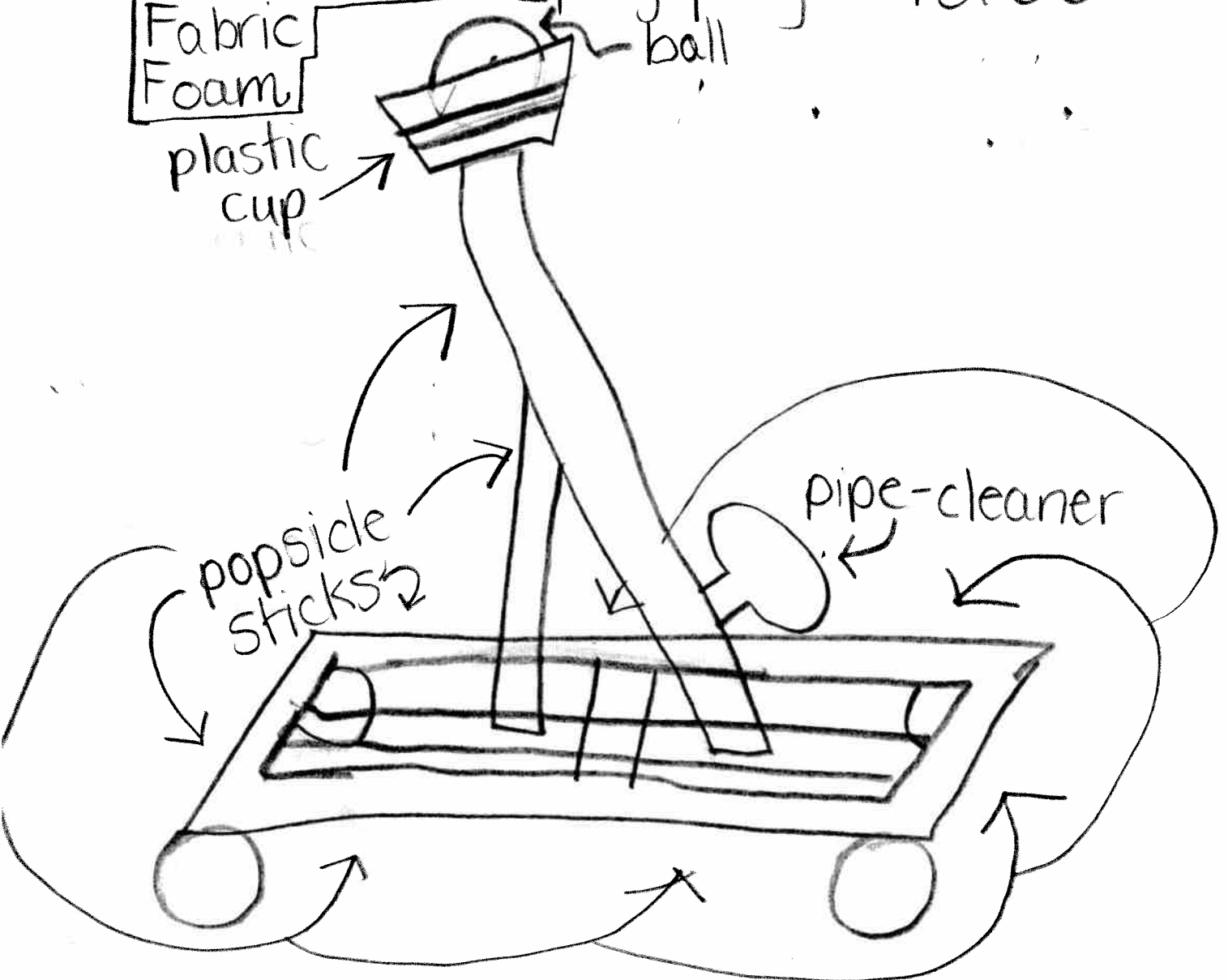
Shoping List

10 ³ 1. 10 popsticks

5 -ic ② 1 block of wood (mabey 2)

20 ③ 1 ping-pong ball

1 + 4. 1 rubber band (5 in.)

1 ¹ 5. 1 peice paper

3 ⁵ 6. 30 centameaters of tape (masking tape)

5 ⁶ 7. Glue gun

total 45

8. Other 15

9. (dowel) 15

Ammo, Tool, Item List

Items

1 block of wood
2 circular dowels
2 thick strechy rubber bands
1 cloths pin
8 nails
1 plastic small cup
7 popsickle sticks
5 rectangular dowels

Tools

craft glue
Drill
Hammer

Extras

2 Nails (sight)
1 rubberband (grip)

Ammo green

1 pingpongball

Backup ammo

Tennis Ball

CATAPULT CREATION

When complete, take the catapult to the testing station. Record the results of each test in the space below.

Test #	Result	Changes Made (If Any)
1	20 cm.	Ducktape
2	22 cm.	scleu
3	28 cm.	More Ducktape on sce
4	24 cm.	glueing bown the
5	25 cm.	No changes ducktap
6	32 cm.	No changes

CATAPULT CREATION

Please list below all the materials and tool rental costs used in the construction of your catapult. Calculate total prices for each material used and the total cost.

Materials/Tool Rentals	Cost per Unit	x	# of Units	Total Cost
pipe cleaners	1 lbs.	X	2	2 lbs.
craft sticks	1 lbs.	X	6	6 lbs.
15 cm. dowel	2.5 lbs.	X	3	7.5 lbs
wood block	5 lbs.	X	1	5 lbs.
masking tape	1.5	X	5	7.5 lbs.
duck tape	1.5	X	2	3 lbs
Rubber bands	1 lbs.	X	3	3 lbs
Plastic cups	5 lbs.	X	1	5 lbs.
saw	15 lbs.	X	2	30 lbs
glue gun	5 lbs	X	1	5 lbs.
hammer	10 lbs	X	1	10 lbs
hand drill	10 lbs	X	1	10 lbs
			TOTAL Spent	94 lbs
			TOTAL Left	6 lbs
	Total Spent PLUS Total Left MUST equal £100			£100

1. fulcrum, and leavers on each one

2. built like sea saw

3. Accurat shots almost in the same spot each time

4. A lot of groups had the same goal

5 Cut the ruber band so it would go under the cup.

6. A lot of catapults had veriables

Catapult Notes   Stephen

1. Used pole to separate firing poles.
2. Used a nail to hold the rubber band.
3. Did a see-saw diesin.
4. accurate shots, almost every time.
5. Used rubber bands to make it more resistance.
6. Used a idea from a teacher.
7. Lots of groups had the same goal as The James Squad. (To make it go high)
8. Some groups changed there ammo.

1.