

Science Fair

By aiden and his brain

January 11, 2023

Today I looked up ideas for my science fair project. These are some of the ideas that I came up with.

1. does a frozen or heated puck change how far it goes.
2. does the weight of a baseball affect how far the ball goes when hit.
3. do all plants seek out light
4. how does playing video games affect hand eye coordination
5. how does the weight of a bowling ball affect how much pins will fall when hit.
6. what is the difference between expensive contact and not as expensive contact
7. how does the color of a shirt affect how much heat it absorbs
8. which type of bread toasts faster
9. which kind of gum keeps its flavor longer
10. what mug can keep a liquid hotter

January 12, 2023

Today I decided that the question I'm going to ask for my science fair project is "What type of cup keeps liquid the hottest during 60 mins?"

I went and looked in my house to see what kind of cups we have that we use.

I found a Yeti tumbler, and plastic Starbucks cup. I asked a family friend if they had any and I got a ceramic Starbucks cup from them. I wanted to test a Tim Horton's cup too since that is what my dad always gets when he orders a coffee and that's what I see most people have.

I started to research information about my question using the internet

January 14, 2023

Today i went and bought some tryfolleds and did some more research about my presentation.

Questions i had

What are each cup made out of?

What is an insulator?

January 16

Today I did some more research about my presentation and started a new thing for research

Today we also learned about variables in class

January 17

I did some more research

January 18

I worked on the science fair for 25 minutes in class

January 19

I learned how to do my hypothesis and im continuing my research in class

January 26

Im done my research and im on to testing my experiment today.I did it twice.

January 29

Im doing my science fair experiment again today and getting some different results from the last 2 times i did it on thursday.

Type of cup	Initial Temp (°C)	10 mins	20 mins	30 mins	40 mins	50 mins	60 mins
Disposable Cardboard Cup (Tim Hortons)	95	59	54	48	43	40	39
Disposable Styrofoam Cup (Generic)	95	62	51	43	37	34	30
Reusable Metal Cup (Yeti Tumbler)	95	77	74	73	71	68	67
Reusable Ceramic Cup (Starbucks)	95	65	60	54	50	47	45
Reusable Plastic Cup (Starbucks)	95	65	56	51	44	41	38

Trial 2

Type of cup	Initial Temp (°C)	10 mins	20 mins	30 mins	40 mins	50 mins	60 mins
Disposable Cardboard Cup (Tim Hortons)	95	67	55	50	44	41	38
Disposable Styrofoam Cup (Generic)	95	60	49	41	36	33	30
Reusable Metal Cup (Yeti Tumbler)	95	77	74	73	70	68	67
Reusable Ceramic Cup (Starbucks)	95	67	59	55	49	47	44
Reusable Plastic Cup (Starbucks)	95	66	60	51	46	42	39

January 30

I worked on my science fair in class for 30 minutes and im translate my stuff to french.we also learned how to do a graph in class and i'm done doing my experiment and i'm going to start decorating my trifold.

January 31

We had no time in class today so when I got home I did my graph

Trial 3

Type of cup	Initial Temp (°C)	10 mins	20 mins	30 mins	40 mins	50 mins	60 mins
Disposable Cardboard Cup (Tim Hortons)	94	63	55	49	44	41	38
Disposable Styrofoam Cup (Generic)	94	60	49	41	36	33	30
Reusable Metal Cup (Yeti Tumbler)	94	77	74	72	70	61	64
Reusable Ceramic Cup (Starbucks)	94	68	62	57	52	50	45
Reusable Plastic Cup (Starbucks)	94	65	57	51	46	43	39

Trial 4

Type of cup	Initial Temp (°C)	10 mins	20 mins	30 mins	40 mins	50 mins	60 mins
Disposable Cardboard Cup (Tim Hortons)	95	67	61	55	50	46	42
Disposable Styrofoam Cup (Generic)	95	61	48	41	36	33	30
Reusable Metal Cup (Yeti Tumbler)	95	78	75	73	71	69	67
Reusable Ceramic Cup (Starbucks)	95	68	61	58	53	49	46
Reusable Plastic Cup (Starbucks)	95	68	59	53	48	42	40

February 1

I was translating my stuff to french today and i finished doing that i also got some of my stuff printed out

Trial 5

Type of cup	Initial Temp (°C)	10 mins	20 mins	30 mins	40 mins	50 mins	60 mins
Disposable Cardboard Cup (Tim Hortons)	95	68	59	51	47	43	40
Disposable Styrofoam Cup (Generic)	95	61	50	43	38	34	31
Reusable Metal Cup (Yeti Tumbler)	95	77	74	71	69	67	65
Reusable Ceramic Cup (Starbucks)	95	70	63	58	53	50	46
Reusable Plastic Cup (Starbucks)	95	69	59	55	49	44	40

February 2

I was looking on how i would put my stuff on the trifold and i also cut my stuff out

February 3

I got all of my stuff printed out today and i'm going to start decorating my trifold.

Feb 4

Today I started putting all the information on my trifold.

I decided on the colours I wanted to use. I picked blue, dark blue and red. I also used some yellow to add a bit more colour.