Science Fair Presentation:

Preparing for Science Fair Judging—Practice Makes Progress!

- If you can communicate your science fair project well, you maximize your chances of winning.
- Write up a short "speech" (about 2-5 minutes long) summarizing your science fair project. You will give this speech when you first meet the judges. (Remember to talk about the theory behind your science fair project-why your project turns out the way it does.)
- Organize a list of questions you think the judges will ask you and prepare/practice answers for
- Practice explaining your science fair project in simple terms so anyone can understand it
- Make good use of your display board. Point to diagrams and graphs when you are discussing
- Be confident with your answers; do not mumble.
- o If you have no idea what the judge is asking, or do not know the answer to their question, it is okay to say "I do not know."
- Treat each person who visits you like a judge, even nonscientists.
- After the science fair, always ask for feedback from the judges to improve your project.

What do and what to say

(Make sure you are standing just off to the side of your project so that everyone can see it when they walk up. Appearance can be important, so do hesitate to dress up. Don't be slouched in a chair and have the judge get you ready for YOUR presentation! Shake the judge's hand and introduce yourself. EYE CONTACT IS KEY!

- rello, my name is (your name) and my science fair project is on (very brief description of your topic, but don't be too vaque).
- -The reason that I chose this particular project is because (explain why you wanted to do this project: Interesting, fun, challenging, etc.). The first part of the experiment was to develop a hypothesis on the outcome of the experiment. My hypothesis was (state your hypothesis, along with why you think that would be the outcome).
- -Before I began the procedure, I researched some literature on the subject. The sources that I chose to read were (list your sources and say why they are relevant). According to my research, the outcome of the experiment should be (state the theoretical or experiments conducted on the same topic. Do they agree with your hypothesis?)
- -The materials that I used in my experiment were (list materials and say how they were relevant to the experiment, as well as any safety precautions that you had to take with any of the materials).
- -This experiment followed a specific procedure as follows: (list the steps IN ORDER and thoroughly explain each step so that there is no confusion. The last thing you want is a judge not knowing what vou even did!)
- -After following all of the steps in the procedure, the results that I found were (explain the outcome. What happened? Don't omit any details in the results that could be useful in the conclusion!) From the results, I came to the conclusion that (What did you learn? Were you right/wrong? It's ok to be wrong because then you can talk about what you learned, which is the point of the whole science fair. Did you enjoy the process? Is there anything else that you can draw from these conclusions?)
- -Thank you for your time. Do you have any questions? (Answer any questions that judges or spectators may have about your experiment. Be thinking of questions that might be asked so you are prepared and have a confident response. At the end shake the hand of the judges one more time and thank them again.)

Science Fair Project:

Every student at RT Alderman's expected to complete a project to share in our Celebration of Learning in our R. T. Alderman School Science Fair on Jan. 28, 2021.

Some projects will be chosen to represent our school at the Calgary Youth Science Fair on April 17, 2021.

Project Ideas:

Check these websites out for ideas: : www.cysl.org, https://sciencefaircentral.com/, www.sciencebuddies.org, and just of Science Fair Ideas and Experiments You Can Do. Save all your work. Student work must be put in the student Log Book (duo-tang provided by school).

lome:			School	*
0	Proposal (decide with	furents) /	*	Proposal (final approval by teacher)
·	Purchasing of naturia	is needed for	0	Background research
	experiment /		*	Write procedure/plan
	Experiment 🗸		*	Hypothesis and problem formatting
\$	Pictures of experimen		*	Data analysis
\$	Observations and data	rollections V	8	Graphing
0	Anything not complete	during school $$	*	Conclusions
	time	/	₩.	Create poster (provided by school)
4	Finish work not comp	die hy due date 🏑	**	Peacifice presenting
		THE STATE OF THE S		,

Step	**************************************	Description	Due Date	Check
Write a proposal	e e e e e e e e e e e e e e e e e e e	Approved by teacher	Dec 3, 2020	
Background Research	1	Typed as a written report One or Two paragraphs	Dec 192020	V
Make a plan	# The control of the	Write Procedure/Plan for your experiment	Dec 10, 2020.	
WORK AT HOME - Take lots of Pictures	insperior of the second	Perform your experiments Revise/Record observations, data (three or more replications)	DUE - first day back after Winter Break: Jan 5, 2021	
At School - What happened ?	(50) To the state of the state	Data analysis, graphs Conclusion	First week of Jan (analyzing data, writing conclusion)	
Prepare a poster	The second second	At school	Jan 11- Jan 15	V
Write & practice presentation	Constitution and the state of t	Practice presenting Practice answering questions	Jan 18- Jan 22	
Present your work	Control Section (Section Control Section Contr	Present your project at the school science fair.	Jan 28, 2021	

Possible Ideas for Science fair

Task:

- Write down ideas

-for each, illea list variables

- Controlled -Manipulated/ Indepensel -Responding

L dea's

Frezze dry Almod-Mik VR Cow MIK Maipulatid= Almond will and Con milk Controlled: Hezze dryer / time / amount Responding which one last the targest or which one is hevyer

What temperage efect magnet stranger

Due DEC S

Science Fair Proposal

Student name: Harrow McSton
Project Title (be creative) – (Can be added later)
Project Question (What problem are you going to explore?):
Which type of milk is more viable to transport based on weight.
Hypothesis based on your project question. Example: If(I do this)then(this will result)because
It i freeze dry cowalds VR Filmond wilk vs Soymilk
then I think the cow only will be
heaver because I think good has more fat
then almond
Variables:
Manipulated variable (what you change): # GASSTONILL TUPOS OF MILL
Manipulated variable (what you change): A canonic of milk typos of milk Responding variable (what you watch for): Which milk ends up heveryor
Constant variables (what stays the same): amount of milk
Required materials: Freeze dryer = to Freeze dry it. Almond mix = to compare Cow mix = to compare Scale = to see which one is heavier measuring cup = mreasure Container = to store my finished product

in nurronn seembled	TICAL PROPERTY AND THE	
Can you find at least the subject?	three sources of information on	(Yes) No
Is your experiment s others)?	afe to perform (for yourself and	(Yes) No
Will you be able to g need ?	et all the materials/equipment you	(Teg)/No
Do you have enough Jan 5 ?	time to do your experiment for	(Yes)/No
	조심인 기계	1
with my child and I will support them, as understand that whi project, the student	ve discussed the project idea and believe they can follow through the needed, in the completion of this expected to do the work thems as part of the soientific process.	with this project. I s project. I in completing the
Parent Signature	CH:	Date 1/6v 39/20

Approved by Teacher:

Date <u>Dec.</u> 3, 2020

1:3140 1952556

Name:

ENGLISH LANGUAGE ARTS

4 Excellent	3 Good	2 Basic	1 Not Yet
Asks <u>specific</u> questions to <u>insightfully</u> guide project	Asks relevant questions to intentionally guide project	Asks general questions to guide project	Identifies questions related to the project
Develops and adjusts plan to organize information	Develops plan to gather and organize information	Uses a familiar plan to organize information	Attempts to use a familiar plan to organize information
Numerous sources are selected and they are all	Several sources are selected and they are generally	Some sources are selected and they are occasionally	<u>Few sources are selected and</u> they are rarely
Specific Relevant Properly cifed	Specific Relevant Property cited	SpecificRelevantProperty cited	Specific Refevant Properly cited
Writing (is) consistently Clear In your own words Demonstrates proper formatting Includes specific vocabulary Attends to spelling and grammar	Writing (is) generally Clear In your own words Demonstrates proper formatting Includes specific vocabulary Attends to spelling and grammer	Writing (is) occasionally Clear In your own words Demonstrates proper formatting Includes specific vocabulary Attends to spelling and grammar	Writing (is) rarely Clear In your own words Demonstrates proper formatting Includes specific vocabulary Attends to spelling and grammar
Slide visuals/ layouts consistently Enhance communication Engage audience	Siide visuals/layouts generally Enhance.communication Engage audience	Silde visuals/layouts somewhat Enhance communication Engage audience	Slide visuals/layouts rarely • Enhance communication • Engage audience
Presenter consistently includes/uses Rélevant specific details and vocabulary Eye contact Clear speech Appropriate volume Appropriate pace	Relevant specific details and vocabulary Eye contact Clean speech Appropriate volume Appropriate pace	Presenter occasionally includes/uses Relevant specific details and vocabulary Eye contact Clear speech Appropriate volume Appropriate pace	Relevant specific details and vocabulary Eve contact Clear speech Appropriate volume Appropriate pace

Science Fair Presentation Check List \

This check list is to help you stay organized and complete your Science Fair presentation on time.

Due Date: MONDAY, JANUARY 25, 2021

SOURCES OF ERROR

® NEXT QUESTIONS

	Gn	ieck oπ the dexes	when the section in your Google Slide is 100% completed
		TITLE	
		QUESTION	
		HYPOTHESIS	
	劉	BACKGROUND RESEA	RCH
	Ø	MATERIALS	
		VARIABLES	29
Res		PROCEDURE	56
	圖	GRAPH	
		ANALYSIS OF RESULT	(making statements about your graph)
		OBSERVATIONS	
	8	CONCLUSION	
		DISCUSSION (write abc Explain your results)	ut your findings. Explain why what happened, happened.
		REAL WORLD APPLICA	TION

BIBLIOGRAPHY (make sure all sources are cited properly and in alphabetical order)

EDITING (double check for proper spelling, capitalization, etc)

MARK YOURSELF ON THE SCIENCE FAIR RUBRIC

PRACTICE YOUR PRESENTATION

SCIENCE

4 Excellent	3 Good	2 Basic	1 Not Yet
Develops a comprehensive plan to carry out a fair test that is easily replicated	Develops a <u>substantial</u> plan to carry out a fair test that <u>can be</u> replicated Question Research Hypothesis Variables Materials Procedure	Develops a basic plan to carry out a fair test that can be replicated with support Question Research Hypothesis Variables Materials	Develops a limited or incomplete plan to carry out a test that cannot be replicated
Insightful reflections and interpretations clearly states	Relevant reflections and interpretations states	Basic reflections and interpretations states	Limited evidence of reflections and interpretations states
 Conclusion based on results Observations with strong explanations Sources of error New questions Real life applications 	 Conclusion based on results Observations with reasonable explanations Sources of error New questions Real life applications 	Conclusion based on results Observations with basic explanations Sources of error New questions Real life applications	 Conclusion Observations Sources of error New questions Real life applications

Slide 1 Science fair googleslide Title Name and fast name 511 de 2 - Question Slide 3 - Hypothesis - background research slide 5 - matireals Slide 6 variables - manipulated - responding - constant -Observations Slide 9 - Graph - analysis of results - real world application Slide 12 - CONCLUSION Sources Slide 14 - next questions - Bibliogharphy in abe