

2025 ACADEMY OF SCIENCE - ST. LOUIS SCIENCE FAIR PROJECT

"FEELINGS OF A LITTLE HORSE" LOGBOOK


Sources

1. My Horse Riding Trainer
2. My Parents
3. Science Alert Website - <https://www.sciencealert.com/horses-recognise-and-remember-emotional-human-facial-expressions>
4. Medical News Today - [How horses perceive and respond to human emotion](#)

Safety Procedures

When planning my experiment, I made a list of safety rules to follow with my parent and horse riding trainer:

1. Get permission from Trainer
2. Have an adult present
3. Stay in front of horse to avoid kicks
4. Conduct experiment while horse is in cross ties so it doesn't run away
5. Conduct experiment during a quiet time at the barn
6. If horse reacts in a way that feels dangerous, cancel the experiment

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2025 Safety Form

☒ I have written a research plan that includes the following:

- o The question or problem being addressed and the expected outcome
- o Describes in detail the method and procedures including all safety precautions
- o Includes all procedures to be used for data collection and/or building your prototype, if an engineering project
- o Identifies any potential risks and safety precautions to complete the project safely
- o Who will be supervising your project? For approval, an adult over 18 must be present and supervising during experimentation or prototype development and building.

☒ I have reviewed this research plan with my:

- o Teacher
- o Parent/Guardian
- o Any other 18+ Adult who will be supervising the project (if not listed above)

☒ I have reviewed the rules for The Academy of Science - St. Louis Science Fair and verified with my teacher that my project adheres to the rules.

☒ I have reviewed the additional rules that apply if my project involves any of the following:

- o Mold
- o Bacteria
- o Humans

I acknowledge that all of the above safety precautions will be followed and that this project will be completed in a safe manner. I also acknowledge that no humans or animals (vertebrates or invertebrates) will be harmed in any way.

Print or Type Student Name	Student Signature	Date
ELSIE HEGNIK	ELSIE	1/26/2025
Print or Type Parent/Guardian Name	Parent/Guardian Signature	Date
MEGAN WAITE	MW	1/26/2025
Print or Type Teacher Name	Teacher Signature*	Date
Brendan Kearney	Brendan Kearney	1-16-2025

*You may include a project approval email from your teacher in lieu of a teacher signature.

Questions? Contact your science teacher, or the Academy Fair Director at sciencefair@academyofsciencestl.org

Revised for 2025 Fair

Dated Entries

Date	Activity
1/14/2025	I gave my teacher my research and safety plan.
1/16/2025	I received the safety form from my teacher to sign.
1/17/2025	I requested permission from my Horse Trainer to do the experiment using one of the school horses. She said yes!
1/20/2025	I sent my signed safety form to my teacher.
1/24/2025	I did my first round of experiments today. The feelings I did were happy, sad, and angry. It was a quiet day and the barn was cold. I did the experiment before my lesson and again after my lesson to see if it changed the results. I had to do some of the feelings more than once because it was difficult to not giggle!
2/9/2025	I began to write notes for my science project and organize them for my presentation.
2/14/2025	I did my second round experiment today. The feelings I did were happy, sad, and angry. It was a quiet day and the barn was still cold. I did experiments before my lesson and after my lesson.
2/17/2025	I began creating my presentation in Canva.
2/18/2025	I reviewed the videos for experiment round one and two then wrote my notes in the results table.
2/21/2025	I did my third round experiment today. The feelings I did were happy, sad, and angry. It was a quiet day and the barn was still cold. I did experiments before my lesson and after my lesson.
2/22/2025	I reviewed the videos for experiment round three then wrote my notes in the results table.

Results Table

Experiment Round	Before Exercise			After Exercise		
	Happy	Sad	Angry	Happy	Sad	Angry
1	Ears – up Eyes – kind of open Body – still Tail – nothing Voice – nickering Head – nothing Mouth – nothing	Ears – in the middle Eyes – open Body – pointed towards me Tail – nothing Voice – nothing Head – looking at me Mouth – nothing	Ears – moving a lot Eyes – wide Body – shifting left to right Tail – nothing Voice – nothing Head – went up Mouth – nothing	Ears – up/Forward Eyes – wide Body – moving toured me Tail – nothing Voice – nickering Head – nothing Mouth – lips moving	Ears – in the middle Eyes – open a little Body – nothing Tail – nothing Voice – nothing Head – nothing Mouth – nothing	Ears – back Eyes – wide Body – puffed up Tail – nothing Voice – nothing Head – threw back Mouth – lower lip moved
2	Ears – up Eyes – wide Body – still Tail – nothing	Ears – up Eyes – wide	Ears – in the middle Eyes – open	Ears – up Eyes – wide Body – still Tail – nothing	Ears – up Eyes – open Body – puffed up	Ears – in the middle Eyes – open

	Voice –nothing Head – nothing Mouth – nothing	Body – leaning towards me Tail – nothing Voice – nothing Head – nothing Mouth –biting	Body – right in front of mine Tail – nothing Voice – nothing Head – nuzzling me Mouth –bitting	Voice – nickering Head – nothing Mouth –nothing	Tail – nothing Voice – nothing Head – pointed towards me Mouth – nothing	Body – shifting weight and puffed up Tail – nothing Voice –nothing Head – nothing Mouth – nothing
3	Ears – up Eyes – open Body – still Tail –nothing Voice / Mouth – nothing Head – nothing	Ears – in the middle Eyes – open Body – shifting left and right Tail – nothing Voice / Mouth – nothing Head – close to me	Ears – in the middle Eyes – open Body – nothing Tail – nothing Voice / Mouth – nothing Head – nothing	Ears – up and forward Eyes – open the normal amount Body – no change Tail – no change Voice / Mouth – licking his lips Head – up	Ears – up Eyes – open the normal amount Body – no change Tail – no change Voice / Mouth – licking and nuzzling Head – up	Ears – forward Eyes – open Body – close to mine Tail – nothing Voice / Mouth – nothing Head – biting/liking