



2022 Science FUNweek Program

SciFUN Demonstrations

Videos will be uploaded to the [FUNweek YouTube channel](#) daily at 10 a.m. MDT

Be sure to look out for clues in each video to decode a secret word for an entry into our [free draw!](#)

March 14	March 15	March 16	March 17	March 18
Inside the Human Body	Crazy Chemical Fun	Full Force Physics	Exciting Exothermic Reactions	Science Around Us
Blood Coagulation	Acid Base Titration	Bed of Nails	Burning Flour	Bernoulli's Principle
Breathing Lungs	Chromatography	Can Crushing	Burning Ions	Bouncing Bubbles
Catalase Action	Dry Ice Demos	Coin Tower	Burning Money	Cornstarch Monsters
Energy Calorimetry	Do Peeps Sink or Swim	Egg Drop	Cannon Fire	Gas Balloons
Food Testing	Glowing Lava Lamp	Flying Tea Bags	Elephant Toothpaste	Hydrophobic Water
Pumping Heart	Hot Ice	Gravity Well	Fireproof Balloons	Science of Music
Reflexes	Iodine Clock	Hopping Popsicle Sticks	Ivory Soap Souffle	Shape Memory of Metal Alloys
Strawberry DNA	Liquid Nitrogen	Pendulum Stopper	Pharaoh's Snake	Skewer Through Balloon
Osmosis	Making Gold	Ping Pong Ball Pick-Up	Volcano	Total Internal Reflection
	Melting Cup	Rube Goldberg	Whoosh Bottle	Water Density
		Underwater Candle		Water Filtration
				Weather



Live Zoom Presentations by Science FUNDamentals

Attendance is limited due to Zoom capacity, and space is available on a first come first served basis. Registrants will receive a reminder email with a direct Zoom link one hour before the presentation.

March 14	March 15	March 16	March 17	March 18
Biology: Building the Human Body	Chemistry: Cool Chemical Changes	Physics: Feel the Force	Chemistry: Phenomenal Physical Changes	Physics: Magnificent Motion
The body is made up of many complex systems that each have a specific function. Learn more about some of these systems and how they are integral to the human body.	Many exciting processes in the world are the result of chemical changes. In this interactive presentation, the signs of a chemical reaction occurring are illustrated using exciting chemistry examples!	Did you know there are forces acting all around us that we can't see? Learn about some "invisible" forces, such as sound waves and magnetism in this presentation.	Physical changes are an important part of chemistry from making a cup of tea to the functioning of the water cycle. Learn what physical changes are and some incredible examples in this interactive presentation!	Motion is key to our everyday lives. In this presentation, learn about forces, Newton's laws of motion, and how airplanes fly!
10:00 - 11:00 a.m. MDT Register here Webinar ID: 846 4572 4251	10:00 - 11:00 a.m. MDT Register here Webinar ID: 850 6672 5983	10:00 - 11:00 a.m. MDT Register here Webinar ID: 841 1872 5971	10:00 - 11:00 a.m. MDT Register here Webinar ID: 876 3251 2358	10:00 - 11:00 a.m. MDT Register here Webinar ID: 895 1546 0180
3:00 - 4:00 p.m. MDT Register here Webinar ID: 823 7949 1360	3:00 - 4:00 p.m. MDT Register here Webinar ID: 823 7160 9218	3:00 - 4:00 p.m. MDT Register here Webinar ID: 860 1893 8182	2:00 - 3:00 p.m. MDT Register here Webinar ID: 861 6792 4015	4:00 - 5:00 p.m. MDT Register here Webinar ID: 868 9745 8356
5:00 - 6:00 p.m. MDT Register here Webinar ID: 851 1958 6502	5:00 - 6:00 p.m. MDT Register here Webinar ID: 859 0351 8497	5:00 - 6:00 p.m. MDT Register here Webinar ID: 810 2692 4751	5:00 - 6:00 p.m. MDT Register here Webinar ID: 895 0714 6167	5:00 - 6:00 p.m. MDT Register here Webinar ID: 883 8153 7986

Pre-recorded Presentations by UAlberta Faculty, Staff, and Student Groups

Videos will be uploaded to the [FUNweek YouTube channel](#) daily at 10 a.m. MDT

March 14	March 15	March 16	March 17	March 18
Inside the Human Body	Crazy Chemical Fun	Full Force Physics	Exciting Exothermic Reactions	Science Around Us
A Day with Dementia/Alzheimer's Alzheimer's Students' Association	The Effects of Temperature and Predators on Guppies Society for Canadian Women in Science & Technology	How Do We Learn About Black Holes Craig Heinke UAlberta Faculty of Science	Dino Lab Tour Howard Gibbins, Dino Lab	Claws and Snouts Mark Powers UAlberta Faculty of Science
Brain Injury Brain Awareness Movement	Asthma and Inhalers Alberta Pharmacy Students' Association	Hexaflexagons Sean Graves UAlberta Faculty of Science	Yeast Hydrogen Peroxide Experiment Biochemistry Graduate Students' Association	Tyrannosaur Teeth Philip Currie UAlberta Faculty of Science
The Digestive System and Food Absorption Jenna Evanchuk & Ren Wang UAlberta Faculty of Science	How To Use an Epipen Amy Phung UAlberta BEd Student	Lab Space Tour Alberta SAT	The Neuroscience Behind Your Emotions Canadian Mental Health	Being A Scientist Shereen Hamza UAlberta Faculty of Medicine & Dentistry
Kidney-Friendly Nutrition The Kidney Foundation of Canada University of Alberta Club	Explosive Outdoor Science TeamUp Science	HTML Website Design Robogals	The Effect of Heat on Food Speaking of Healthy Eating	Entomology Museum Tour Victor Shegelski, Entomology Museum
Multiple Sclerosis and Neurons Multiple Sclerosis Society		Preparing a Rover for Mars Space Exploration Alberta		Scent Detection Edmonton Humane Society

Live Demonstrations and Tours from SciFUN and UAlberta Faculty

Attend tours and live demos on Saturday, March 19!

Attendance is limited due to Zoom capacity, and space is available on a first come first served basis. Registrants will receive a reminder email with a direct Zoom link one hour before the presentation. Live streams will be available [here](#) Monday, March 21 at 10AM MDT.

Saturday, March 19			
Feature	Time	Registration Form	Meeting ID
Earthquakes and Tectonic Plates Asna, & Julieanna, & Mannat Science FUNdamentals	10:00 a.m. - 10:30 a.m. MDT	Register here	Webinar ID: 835 4055 9785
Mineralogy & Petrology Museum (EAS) Lisa Budney Faculty of Science	10:30 a.m. - 11:20 a.m. MDT	Register here	Webinar ID: 863 0170 6620
Colour-Changing Lollipops Madeline Science FUNdamentals	11:20 a.m. - 11:50 a.m. MDT	Register here	Webinar ID: 876 0292 2043
Paleontology Museum (EAS) Lisa Budney Faculty of Science	11:50 am - 12:40 p.m. MDT	Register here	Webinar ID: 856 1903 3428
Traffic Lights Jappn Science FUNdamentals	12:40 p.m. - 1:10 p.m. MDT	Register here	Webinar ID: 880 9374 8078
The Physics Observatory Sharon Morsink Faculty of Science	1:10 p.m. - 2:00 p.m. MDT	Register here	Webinar ID: 826 6149 8566
Van der Graff Devika & Roja Science FUNdamentals	2:00 p.m. - 2:30 p.m. MDT	Register here	Webinar ID: 870 3589 0002
The Shack (3D Printing Lab) Mark Freeman & Aran McDowell Faculty of Science	2:30 p.m. - 3:20 p.m. MDT	Register here	Webinar ID: 881 1955 2209
Smoke Rings Aradhana & Devika Science FUNdamentals	3:20 p.m. - 3:50 p.m. MDT	Register here	Webinar ID: 897 7459 8910

Virtual Lab and Museum Tours

Explore some of the Faculty of Science's world-renowned collections and facilities through our [virtual tours](#).

- [Dino Lab](#)
- [E.H. Strickland Entomological Museum](#)
- [Electroencephalography \(EEG\) Laboratory](#)
- [Mineralogy & Petrology Museum](#)
- [Multimedia Research Centre](#)
- [Paleontology Museum](#)
- [Physics Observatory](#)
- [Rowan Lab, Museum of Zoology](#)
- [The Shack Science Hardware Makerspace](#)

Virtual Silent Auction

Participate in [Science FUNdamentals' silent auction](#), featuring items generously donated by Edmonton businesses. Supporting the silent auction will ensure the sustainability of our organization so we are able to continue to deliver accessible science education. All proceeds will go directly toward improving the quality of our classroom programming and our annual Science FUNday event.

Science FUNdamentals At Home

Want to conduct experiments from the comfort of your own home? This is an [online course](#) made BY science enthusiasts FOR science enthusiasts - we believe science should be learned in a fun hands-on approach, meaning that we encourage you to try experiments using simple materials found at home! The course is packed with:

- Exciting and interactive try-at-home experiments
- Introductions to fascinating scientific theories
- Exploration and practice of the scientific method
- Scientific readings - highlighting fun facts and extensions
- Quick and short quizzes to test your understanding

- And much more!

We'll dive into FUNdamental topics in Physics, Chemistry, and Biology that are sure to blow your mind! Join us in exploring the fascinating world of science together!

Interested in Attending the University of Alberta?

Interested in learning more about future STEM study opportunities at the University of Alberta? U of A science programs are top-ranked in Canada and the world, and provide hands-on career, lab, and field experiences that will set you, your children, or your students up for future success. Our Recruitment Team would be happy to answer your questions via email at science.recruiting@ualberta.ca, see you at an [upcoming event](#), or meet with you individually during a [virtual advising session](#) to share the infinite possibilities of a U of A STEM degree.

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