Welcome to Super Science Saturday!

AGENDA

10:20am - 11:00am
Forecasting Severe Weather / ROOM A

11:00am - 11:50am
Robotics 101: Cozmo! *register in lobby / ROOM B

11:30am - 12:10pm
Wizards! / ROOM A

12:00pm - 12:30pm
Kid Scientists & Data Collectors! / Visitor’s Center Bleachers

12:15pm - 12:50pm
Wizards! / ROOM A

1:00pm - 1:40pm
Forecasting Severe Weather / ROOM A

1:00pm - 1:50pm
Build & Code a Kano Raspberry Pi *register in lobby / ROOM B

1:50pm
Ping Pong Ball Explosion! / Outside West

FREE LUNCH FROM 11:00 - 1:00 PM   HAMBURGERS AND HOT DOGS - ROOM D

WORKSHOP DESCRIPITONS

Forecasting Severe Weather by National Weather Service Cheyenne
Ages: ALL   Join this session to learn how NOAA and the National Weather Service monitors and predicts severe weather, including winter storms, hailstorms, tornadoes, and dangerous wildfires.

Robotics 101: Introduction to Cozmo! by James Van Dyke, Teach Wyo
Ages 8+  Interested in Robots? Cozmo is a little guy with big personality. Learn how Cozmo works, control the robot remotely, and see if you can beat him at his games. 20 seats available

Kid Scientists! by Summer Wasson, NCAR Staff
Ages 5-9  Ever wonder how scientists gather data? We’ll learn about observations, hypothesis, and test our theories with UV beads.

Build a Kano Raspberry Pi and Block Coding by James Van Dyke, Teach Wyo
Ages 10+  Let’s build a micro computer! Learn how to build your own computer using a Raspberry Pi Kano Computer and program it. 20 seats available

TABLES & DEMOS

University of Wyoming: Drones!
Stop by and meet the students in the UW Computer and Electrical Engineering department. They have created drone stations, where kids and adults alike can stop by to program a drone to fly! ROOM C

Wyoming STARBASE Academy
Come meet the STARBASE staff! This premier educational program serves, free of charge, fifth grade public, private, and home-school students in Laramie County, Wyoming. Through team-work, students participate in challenging "hands-on, mind-on" activities in science, technology, engineering, and math (STEM). ROOM E

Laramie County ARES/RACES
Visit the Laramie County ARES/RACES to learn how they provide backup communications to public safety agencies like the Red Cross, National Weather Service in Laramie County. ROOM E

VISLAB
Visit the VISLAB table to see the Meteo Augmented Reality App and other models and visualizations created by the UCAR/NCAR Supercomputer data. ROOM E

LEGOS! Parallel vs Serial Processing
This is an activity that will challenge your coding and math brain to arrange sets of legos in the correct order, much like our supercomputer’s processors must do. ROOM E

PIEYENNE, Mini-Supercomputer
Pieyenne is a scale model of the NCAR Supercomputer Cheyenne, capable of running a modern numerical weather model; built from Raspberry Pis! ROOM E

EVENT PARTNERS

University of Wyoming
National Weather Service Cheyenne
Wyoming STARBASE Academy
Wyoming Amateur Radio Emergency Service (ARES)
Radio Amateur Civil Emergency Service (RACES)

Computer Room Tours :30 minutes
Visitor’s Center Bleachers
10:30am | 11:30am | 1:30pm

14 Years + Photos are permitted
No open-toed shoes or high heels
No drinks, snacks, purses, or bags
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