

MAGLAB MAP

1 NMR DEMOS

- Oersted's Accidental Discovery
- Golden Snitch & Lenz's Law
- Fruit Science: Extract DNA or Make a Battery
- Ride the RF Wave train
- The Little Engine that Could: Electro Magnetic Train

2 ICR DEMOS

- I See a Song
- Penny & Feather
- Little Cloud in a Bottle

3 PATIO

- Hidden Ink Bookmarks with LeMoyne Arts
- 20,000 Leagues Under the Sea-See
- Colors with Tallahassee Scientific Society
- Civics Circuit with WFSU
- Cartesian Diver with Cornerstone Learning Community
- Pendulum & Book Making with Magnolia School
- Origami Bookmarks with Leon County Library
- Weather in Miniature with the National Weather Service
- Melting Rocks
- See Inside a Plasma Mass Spectrometer

4 OUTSIDE DISPLAYS (PATIO)

- Einstein's Ice Cream
- MoLab Solar Bus
- Tallahassee Astronomical Society

5 C-WING DEMOS

- Crystal Growth & Design for Thermoelectric Applications
- Capacitors: Charge of the Light Brigade

6 EMR DEMOS

- Red Cabbage
- Silly Putty

7 CHARACTERIZATION LAB AND MICROANALYSIS

- Microscopic Magic: Harry Potter and the Chamber of Micro-Secrets
- Hogwarts Express: Magnetic Train
- Mechanical and Electrical Materials Testing
- See the Atomic Structures of Materials with a TEM
- Sun in a Bottle: Testing REBCO Materials for Fusion

8 APPLIED SUPERCONDUCTIVITY CENTER (ASC)

- MagLev Train
- The Human Levitator
- Magnet Launcher
- Big Bubbler and Slomo
- Microscope Mystery Quest
- Diffusion Cloud Chamber
- Ruben's Tube
- Fun with Electrostatics
- Book Giveaway from LCTA

9 OUTDOOR DISPLAYS (FRONT)

- PlayLab: Alice's Wonder-Lab
- FSU Coastal & Marine Lab
- Animals in Winter with St. Marks Wildlife

10 MAGLAB JR. MULTIVERSE

Enjoy these comic book activities designed for our youngest future scientists!

- MARVEL-ous Magnets
- Web Slingers
- DC Circuits
- Storm Front
- Scientist Origin Story (MagLab Summer Camps)

1 NMR DEMOS

Nuclear Magnetic Resonance
Using powerful magnets to see the molecular structure of biological systems to understand diseases.

14 CRYOGENICS LAB

Studying the coldest temperatures on Earth, how to produce and use them, and how materials behave in them.

21 45-T HYBRID MAGNET

Provides researchers the strongest continuous magnetic field on the planet.

20 MAGNET CELLS

Each cell houses a world-unique magnet & instrumentation that scientists come from around the world to use for their discoveries.

22 OUTDOOR DISPLAYS (BACK)

15 MACHINE SHOP

Home to state-of-the-art machinery used to create complex and custom items for the lab.

19 CONTROL ROOM

It takes special systems to maintain the world's strongest magnets. Here, they monitor the lab's magnets, water, power, and cooling systems 24 hours a day.

18 DC CORRIDOR

16 MILLIKELVIN CORNER

Where the world's most powerful magnets are created.

10 MAGLAB JR.

9 OUTDOOR DISPLAYS (FRONT)

5 C-WING DEMOS

6 EMR DEMOS

Electron Magnetic Resonance
Exploring the spins of unpaired electrons using high fields and frequencies to understand quantum behavior and biological processes.

8 ASC DEMOS

Applied Superconductivity Center
Advances the science, technology and applications of superconductivity - the perfect flow of electrons without any resistance or heat.

FOOD TRUCKS

- Empanada Smiles
- Zap Zap Thai
- E's Weenies
- Fired Up Pizza
- Astronomical Italian Ice
- Smackin' Good Wings
- Kona Ice
- S&M Diner Express

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MAP KEY

- ⊕ First Aid
- ⊖ Exit (Note Some exits are emergency use only)
- ♂ Restrooms
- ♥ Fan Favorite Demos
- ♂ Change Station
- ⌚ You Are Here Map
- Magnet
- Book Themed Demos



Demo details can be found here:

11 ATRIUM DISPLAYS

- Seussical Science:
- Schrödinger's Cat in the Hat
- Ohm, The Places You'll Go!
- Hop on Pop
- The Very Hungry Chromatographer
- MagLab Merch
- Scavenger Hunt
- Florida Center for Reading Research
- "Maggie" - The World's Largest Magnetically-Levitating Sculpture

12 B-WING DEMOS

- Physics for the World of the Walking Dead

13 A-WING CORNER

- E-Readers Explained
- Rare Earths & Critical Minerals Exploration

14 CRYOGENICS LAB

- The Art of Racing in the Cold: Cryo Rocket Cars

15 MACHINE SHOP

- High-Tech Machines and the Experts Who Wrote the Book on Using Them.

16 MILLIKELVIN CORNER

- 11:30 am – 12:30 pm: Come hear a special science-inspired reading from Pulitzer Prize-winning author Robert Olen Butler and poetry from Julie Kane.

17 THE MAGNET FACTORY

- Journey to the Center of the World-Record Magnets
- Wheel of Time: Chapters in Magnet History

18 DC CORRIDOR

- Lord of the Smoke Rings

19 CONTROL ROOM & SIMULATOR

- Step into MagLab Mission Control where technicians manage power, water and magnet operation systems.

20 MAGNET CELLS

- Cell 2: Fringe Field Fun &
- Cell 11: Reading Rainbows, Charlie's Printed Chocolates & COE Catapults
- Cell 14: Physics 101-Physics & the Invisible Force of Magnetism
- Cell 4: Supercon Live!
- Cell 6: Quarter Shriner and Tesla Coil
- Cell 7: Florida Center for Interactive Media

21 45-TESLA HYBRID: WORLD'S STRONGEST MAGNET

- Quantum MagLibs: Help Write a Quantum Story
- Cooking Up Discoveries: Recipes for Exciting Physics
- Meet the Guinness Book of Records' World's Strongest Magnet

22 OUTDOOR DISPLAYS (BACK)

- Potato Launcher
- Cryo Flowers & Balloons
- Junkyard Magnet
- Gulf Specimen Marine Lab Touch Tanks
- Bottle Rockets with SEDS