

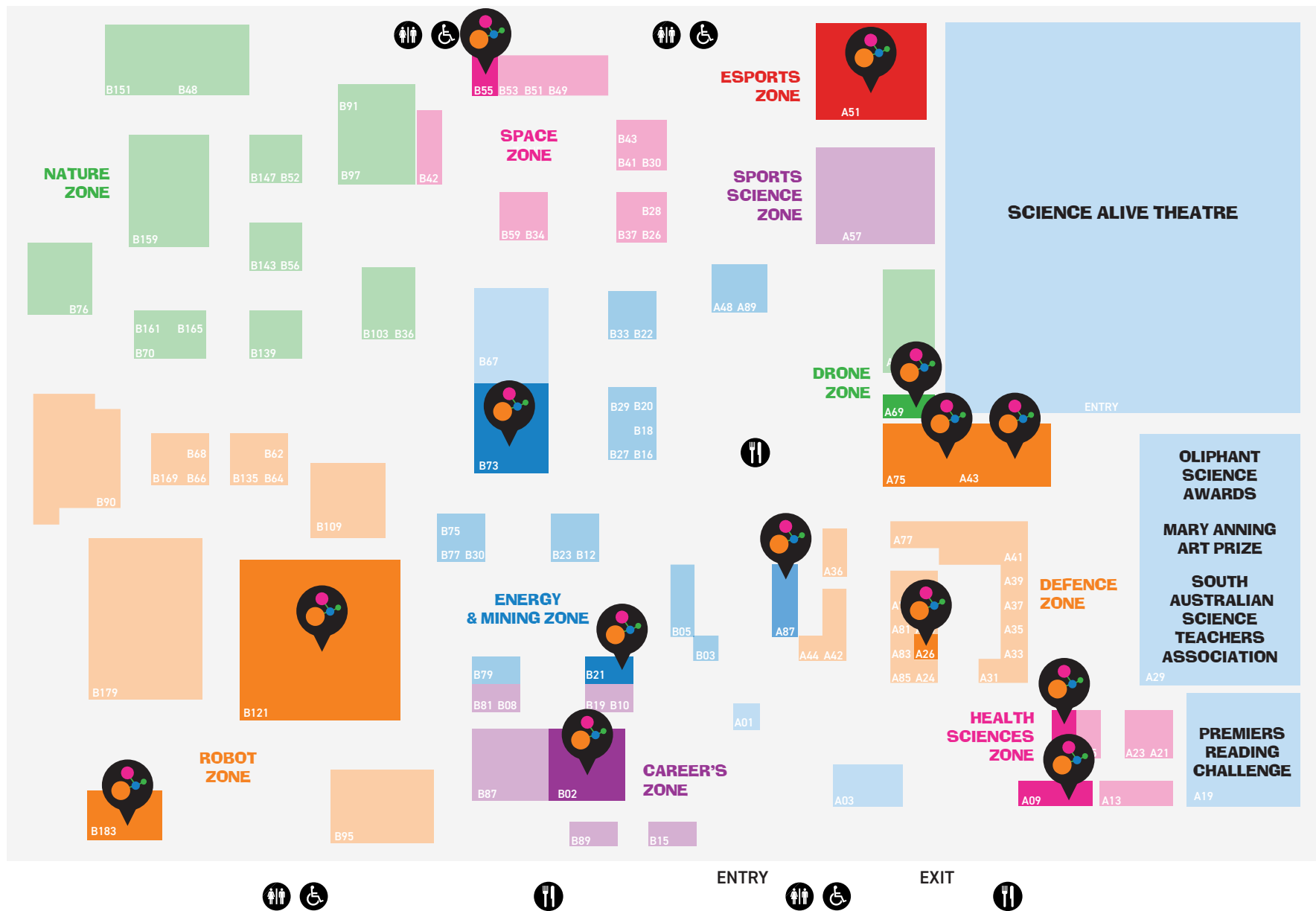


Use the instructions on the back of this map to navigate the Discovery Trail.

As you explore the Trail, you'll encounter a variety of exhibitors, each offering unique experiences and challenges. Receive a stamp from each location you visit. Once you have received a minimum 3 stamps, you'll have a chance to win a daily prize from our friends at Switched on Kids. Drop your completed map into the entry box located next to the Information booth.

Participating stands are marked with the Discovery Trail logo for your convenience.

Please refer to Science Alive! printed map/website for the full floorplan, exhibitor directory and show times sciencealive.net.au



Full Name _____

Mobile Number _____

Email Address _____





Embark on the Discovery Trail and explore with the help of our map, featuring some of our amazing partners. This activity is designed to be flexible – begin and end at any point that suits you.

Try & Buy - Switched On Kids sell educational toys that aim to stimulate educational learning. Toys to engage and enhance your 3-15 year old's learning and fascinate young adults will be available.

HEALTH SCIENCES ZONE

Learn & Try - SA Pathology is the statewide pathology provider for the public health sector, recognised for delivering the highest standards of medical testing, training and research. Through a network of 18 laboratories and 100+ collection centres, SA Pathology provides a complete diagnostic and clinical service to the South Australian population - 24 hours a day, 365 days a year. We invite attendees to try out one or more of our devices that will be on display:

- Smileyscope – VR Headset
- Buzzy – Distraction tool
- Accuvein – Vein finder

Learn & Try - Forensic Science SA (FSSA) provides independent, expert scientific evidence, opinion and information to the justice system and carries out award-winning research in forensic science. Dig for evidence in our sandpit, or search for clues using our Crime-lite.

DEFENCE ZONE

Try - Lockheed Martin has many interactive displays presenting some of our industry leading projects and the engineering behind them.

Challenge - The Department of Defence has a range of career pathways in and out of uniform. Find and complete one of the three challenges that puts you in the hot seat as a Defence STEM Professional.

ENERGY & MINING ZONE

Learn - The Office of Hydrogen Power SA came to life in 2022 to build a world-leading hydrogen power plant. It aims to be making and storing renewable hydrogen near Whyalla by early 2026.

CAREER PATHWAY ZONE

Learn & Make - Educational Services Australia manages a range of free educational resources and services. This work includes the Digital Technologies Hub, the Mathematics Hub, and the Girls in STEM Toolkit (the GiST). Visit us to create your own mini air vortex cannon, pit your drawing skills against AI, find out if you have Maths Eyes, and explore STEM pathways and careers.

ROBOT ZONE

Experience & Try - The Student Robotics Club of SA is a community-based club helping get students "Hopping in" to STEM and all things ROBOTS! Join us at the stand to operate Lego Robots, Drive Soccer Robots, or try your hand at the Tech Challenge field. STEM learners will love the robotics experiences on offer!

ESPORTS ZONE

Try - The Australian Esports League will host an engaging gaming zone featuring a variety of esports tournaments presented by Inspiring SA. Visitors will be able to enjoy participating in a variety of games open for all skill levels, some down time in the free to play gaming zone or spectate tournaments shown on the esports stage.

SPACE ZONE

Learn & Experience - Come and visit Fleet Space Technologies, a leading Australian space company based in South Australia, revolutionizing humanity's search for space exploration. Learn the connection between space & mineral exploration in a fun environment, improve your knowledge about waves and Beamforming, playing with a Moire pattern animation illusion, walk in Space as a real astronaut with our VR Mission ISS experience!

DRONE ZONE

Experience - Adelaide Micro Drones join Science Alive! for the first time and will bring a combination of micro drone racing demonstrations, drone simulators, products and promotion of their drone building workshops and beyond.

CHALLENGES

Lockheed Martin - Hold the Load Da Vinci Bridge build This new challenge in 2024 will certainly test your engineering skills. Can you imagine building an entire bridge with only the bridge materials to support it? No bolts, no welding, no rivets, no nails, no screws - nothing but the building pieces themselves supporting each other. Could that even be possible? Find out with Lockheed Martin.

Pipeline Challenge

This is an opportunity for intrepid learners to test their engineering skills as they build their own pipeline to transport a tennis ball across the purpose-built, Science Alive! pipeline arena. What ingenious method will you and your team use to get to the end?

Fleet Exosphere Challenge

Do you want to be an explorer? Find your mineral deposit without drilling using Exosphere, the latest cutting-edge technology from Fleet. Place your Geode in the sand, connect to the satellite, analyse the data, and beat everyone to the punch identifying the minerals hidden in the sandpit. Exploration is changing!

Air Vortex Cannon

The Toroidal Ring Vortex Generator is an enduring source of wonder for all. The first Ring Vortex Generator is a piece of equipment that releases doughnut-shaped air vortices – similar to smoke rings but larger, stronger and invisible. The vortices are able to ruffle hair, disturb papers or blow out candles after travelling several metres. This has to be seen to be believed.