



**SAFETY BAY SENIOR HIGH SCHOOL RACING TEAM  
EV CHALLENGE**

# Sponsorship Prospectus



**SAFETY BAY SENIOR HIGH SCHOOL**  
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# eV Challenge



**Founded in 2001, the Perth eV Challenge requires competitors to design, build and race an electronic vehicle**

The eV Challenge powered by ReEnergise Digital is all about education and having fun while learning. Their aim is to be primarily a STEM education event – giving teachers and students an opportunity to put skills and concepts into action, work together as a team to solve engineering problems, and to have design solutions evaluated in the most unforgiving of arenas – competition. Teams from tertiary institutions, corporations and private teams are always welcomed guests too!

**The rules have safety as the number one priority.**

Developed in conjunction with Motorsport Australia, the national motorsport governing body, the regulations allow teams to construct safe vehicles whilst still pushing the limits of school-based vehicle engineering.

# Safety Bay Senior High School Racing Team



# Engineering at Safety Bay Senior High School

## Year 9

### Mini ROV's and hydraulic arm

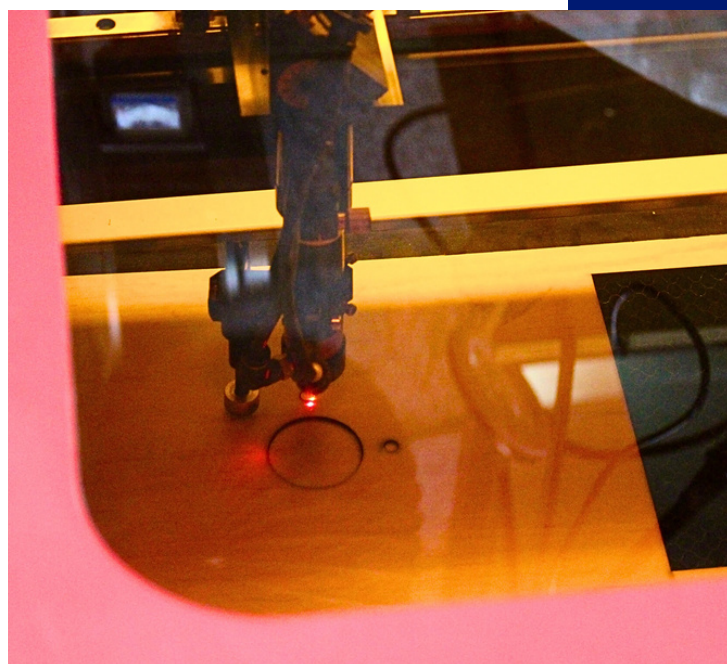
Students use computer aided design (CAD) software to digitally prototype a mini remotely operated vehicle (ROV), they then build the ROV using workshop tools and equipment. They build the control system by completing electrical circuits and soldering components together. Students also use CAD software to design and a laser cutter to produce a hydraulic arm that can be attached to the ROV.



## Year 10

### Marble run and intro to eV car

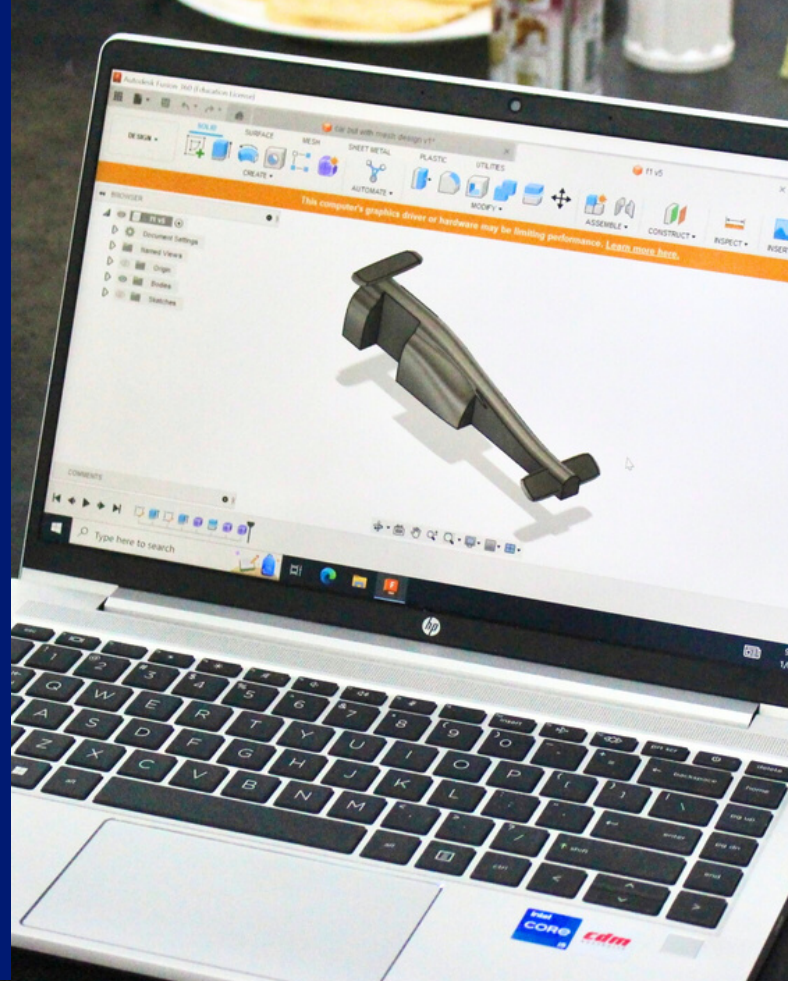
Students use computer aided design software to digitally prototype a marble run that incorporates a variety of mechanical devices. They produce all the parts either by hand, 3D printing and laser cutting. As a team students build a class car that can compete in the eV challenge.



## Year 11

### Design and build an eV car

Students use computer aided design to prototype new car body shapes. These are then cut out using a laser cutter, shaped and finished. Students evaluate their designs using a wind tunnel and make recommendations for improvement. Working in a team, students then go onto produce a car, based on the best design, to compete in the eV challenge.



## Year 12

### Research and develop eV car

Students evaluate and analyse an existing eV car and identify areas for improvement. They then provide innovative solutions for development to improve the car's performance. Current projects include new and improved aerodynamics body and 2 speed automatic transmission. Students use computer aided design to digitally prototype their solutions. They then use workshop machinery and equipment such as lathes, drill press, welding equipment, plasma cutter, laser cutter and 3D printers to produce a working prototype.

# Packages

**\$2500 for 2 years**

## Gold

### What your purchase contributes to

Electric Vehicle with sole branding rights

Your branding on our Safety Bay Senior High School Racing Team t-shirts

### What you get

Promotion on Safety Bay Senior High School website and social media pages, as well as images of your branded SBSHS Racing Team car shared on eV Challenge social media page.

**\$1000 for 2 years**

## Silver

### What your purchase contributes to

Electric Vehicle with shared branding rights

Your branding on our Safety Bay Senior High School Racing Team t-shirts

### What you get

Promotion on Safety Bay Senior High School website and social media pages, as well as images of sponsored SBSHS Racing Team car shared on eV Challenge social media page.

**\$500 for 2 years**

## Bronze

### What your purchase contributes to

Electric Vehicle with shared branding rights

Your branding on our Safety Bay Senior High School Racing Team t-shirts

### What you get

Promotion on Safety Bay Senior High School website and social media pages, as well as images of sponsored SBSHS Racing Team car shared on eV Challenge social media page.

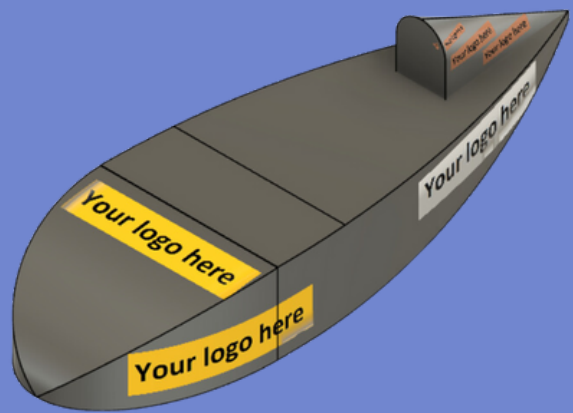
# Branding



By choosing our **Gold** level sponsorship package, you will receive sole branding on one of our eV race cars, which will compete at the annual Perth eV Challenge.

This sponsorship is a 2 year deal, meaning that your branding will be promoted on our SBSHS Racing Team vehicle at 2 annual Perth eV Challenges.

The support of Safety Bay Senior High School's partners and sponsors is extremely valuable to us, and it is our priority to acknowledge this support in every way possible. In return for your sponsorship, your business will be promoted on our school website and social media pages, along with your logo being displayed on our Safety Bay Senior High School Racing Team vehicle.





**Safety Bay Senior High School**

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**Administration Hours**

8.00am - 4.00pm  
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