



PROJECT BUCEPHALUS

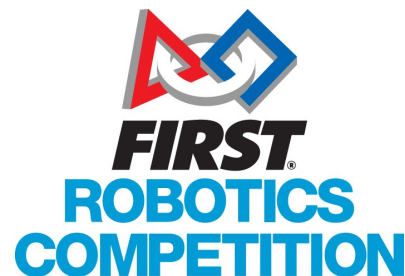
Project Bucephalus has been representing *FIRST*[®] in Wollongong since 2010. Named after the warhorse of Alexander the Great, the group has years of experience running robotics activities for children in the Illawarra, Shoalhaven, and Sydney areas. Project Bucephalus now consists of two separate *FIRST*[®] teams:

The *FIRST*[®] LEGO[®] League (FLL) team has been active since 2010, and is made up of home-schooled children aged 9-16. The team were dubbed Australian FLL National Champions in 2010, 2014 and 2016, and have gone on to represent Australia at the International level in the Netherlands (2011), United States (2012), Australia (2013), Canada (2014), United States (2015), Australia (2016) and Denmark (2017). The team is responsible for the creation and mentoring of FLL teams around the world, and is currently competing in the 2017/18 FLL Season: "Hydro Dynamics".

Project Bucephalus founded a *FIRST*[®] Robotics Competition (FRC) team in 2016. Team #5985 is made up of high-school students from Wollongong and beyond. Team is currently preparing for "Power Up!" - the 2018 FRC Challenge.

There are limited places at each camp so please register early!

Please visit our website for more information:



GIRLS are welcome too!

Female students can engineer and program just as well as any male student. Feel free to join in!

Project Bucephalus would like to thank our sponsors.



Rotary Club of Corrimal

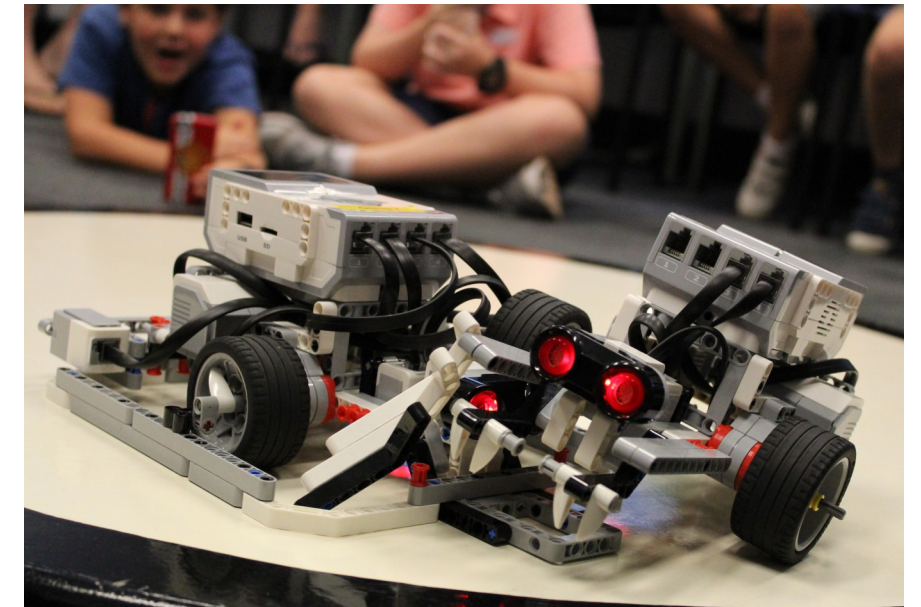
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PROJECT BUCEPHALUS

Robo Camp

January 2018



Bring LEGO[®] to Life!

Discover LEGO[®] MINDSTORMS[®] Robotics and build models that move and think on their own – and have a lot of fun in the process!

January 2018 Workshops

Workshop #1: Intro to MINDSTORMS® (UOW Wollongong)

Date: 2nd and 3rd January 2018 (Tues-Wed)

Cost: \$135 (Inc. GST) **Time:** 9 am to 3 pm

This our standard beginner course where students are introduced to LEGO® MINDSTORMS®. Learning the basics of robotics and programming as they build robots capable of reacting to their environment and making simple decisions. The second day of the workshop finishes with the ever-popular “Robot Sumo” challenge and a tournament where all families are welcome. No previous experience is required. While the activity is designed to be suitable for ages 7 and up, we will accept younger students if they are accompanied by an adult.

Workshop #2: Battle Ball (UOW Wollongong)

Date: 2nd and 3rd January 2018 (Tues-Wed)

Cost: \$165 (Inc. GST) **Time:** 9 am to 3 pm

Play Ball! Get a taste of the FIRST Robotics Competition – at LEGO® scale! Building on the success of our previous “FRC-Style” robotics challenges, this workshop will feature an original FRC-style game, played by MINDSTORMS® robots operating autonomously and via remote control. In this course, students will design, build, and program their own unique robots to play the “Battle Ball” game. Once operational, robots will compete in a series of three-a-side qualification matches before forming alliances for the final event! This is designed for students already familiar with LEGO® MINDSTORMS® – or novices able to cope with a steep learning curve! While the activity is designed to be suitable for ages 7 and up, we will accept younger students if they are accompanied by an adult.

Workshop #3: Intro to MINDSTORMS® (UOW Shoalhaven)

Date: 4th and 5th January 2018 (Thurs-Fri)

Cost: \$135 (Inc. GST) **Time:** 10am to 4pm

See Workshop #1 for course description

Workshop #4: Battle Ball (UOW Shoalhaven)

Date: 4th and 5th January 2018 (Thurs-Fri)

Cost: \$165 (Inc. GST) **Time:** 10am to 4pm

See Workshop #2 for course description.

Workshop #5: FLL Experience (Narellan Library)

Date: 25th January 2018 (Thurs)

Cost: \$36 (Inc. GST) **Time:** 10 am to 1 pm

3...2...1...FIGHT! Take Robot Sumo to all-new levels! Students will create Robot Sumo warriors of advanced intelligence and function, and then battle against each other in a full-scale competition. In this event, humans play a vital role – from anticipating an opponent’s actions to directly pitting human against machine, with human operators directly controlling their creation against autonomous opponents.

Note: This workshop is designed for students of all skill levels. Bookings are handled through Narellan Library.

Visit www.library.camden.nsw.gov.au/bookings to get more information and reserve a place!

REGISTRATION FORM (Part 1)

1) Please CIRCLE the camp you wish to attend.

#1 Introduction (Wollongong) \$135 2nd-3rd Jan

#2 Battle Ball (Wollongong) \$165 2nd-3rd Jan

#3 Introduction (Shoalhaven) \$135 4th-5th Jan

#4 Battle Ball (Shoalhaven) \$165 4th-5th Jan

#5 Sumo Supreme (Narellan) \$36 25th Jan

2) Equipment/Experience

Do you have previous MINDSTORMS® experience? **Y/N**

Will you supply your own equipment?* **Y/N**

*discounts may apply to those bringing their own MINDSTORMS® Kits

3) Student Details

Child's Name: _____

DOB: ___ / ___ / ___ Gender: _____ School Year: _____

Address: _____

_____ P/Code: _____

Parent's/Carer's Name: _____

Ph: _____ Mobile: _____

Email: _____

Emergency Contact Name: _____

Phone: _____

Describe any allergies, current medication, or learning difficulties. (Attach sheet with more details if necessary):

During workshops, photos will be taken of robots and activities. Students may appear incidentally in these images, but they won't be identified. Additionally, a class photo will be taken at the end of the workshop. This will be used for team records only.

Write “No Photos” here if you do **NOT** want your child photographed at all: _____

REGISTRATION FORM (Part 2)

4) Permission

My signature below indicates my willingness to permit my child to participate in all Robo Camp activities organised by Project Bucephalus. In addition:

A. In case of an emergency, I hereby give permission for the doctor chosen by the head coach or other supervising persons to secure proper treatment for my child as named.

B. I understand that every effort will be made to contact me in the event of an emergency.

Signature: _____ Date: ___ / ___ / ___

Note: Information on this form may be stored on our database .

More Robo Camp information can be found at:

www.projectb.net.au

Important Notes:

- Enquire if places are available **BEFORE** sending registration/payment! Email coach@projectb.net.au or visit www.projectb.net.au/robo-camp/enquire-now/

- Registration is **NOT** complete until Registration and Payment are received. Registration must be completed prior to the Workshop.

- Preferred Payment Methods: Direct Debit or Cheque

- Bank Details:

Account Name: Project Bucephalus

BSB: 637 000 Account Number: 716448967

Please add Description: “RoboCamp: [CHILD NAME]”

- Cheques:

Payable to: Project Bucephalus

Mail to: Project Bucephalus Robo Camp

PO Box 485

DAPTO 2530