



**PROJECT BUCEPHALUS**

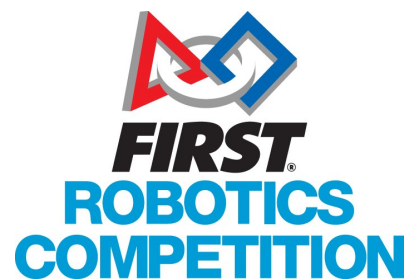
Project Bucephalus has been representing *FIRST*<sup>®</sup> in Wollongong since 2010. Named after the warhorse of Alexander the Great, the group has years of experience running robotics activities for children in the Illawarra, Shoalhaven, and Sydney areas. Project Bucephalus now consists of two separate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

The *FIRST*<sup>®</sup> LEGO<sup>®</sup> 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 2016/17 FLL Season: "Animal Allies".

Project Bucephalus founded a *FIRST*<sup>®</sup> Robotics Competition (FRC) team in 2016. Team #5985 is made up of high-school students from Wollongong and beyond. Team is currently competing in "STEAMWorks" - the 2017 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.**



**UNIVERSITY OF WOLLONGONG AUSTRALIA**



Rotary Club of Corrimal

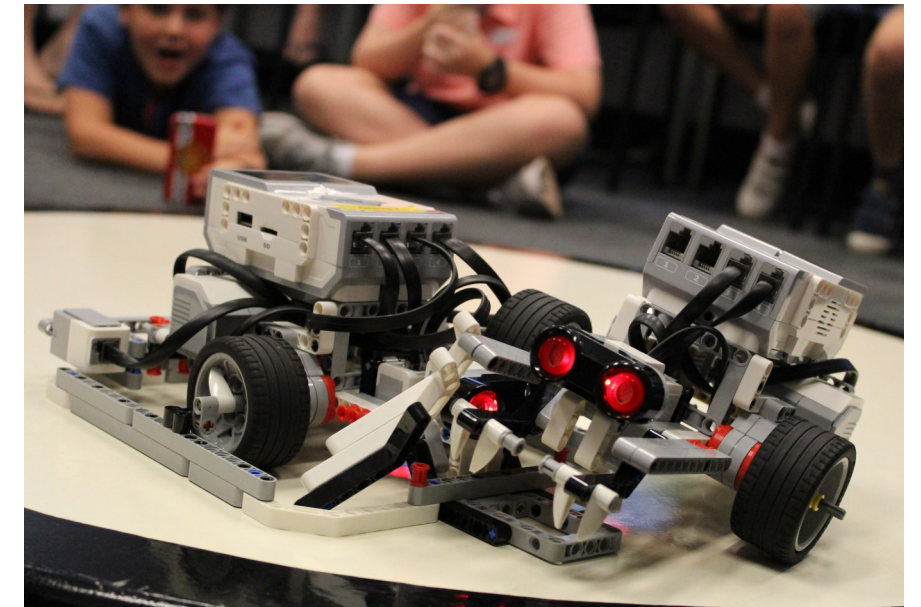
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**PROJECT BUCEPHALUS**

# Robo Camp

## July 2017



**Bring LEGO<sup>®</sup> to Life!**

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

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

**Date:** 10th and 11th July 2017 (Mon– Tues)  
**Cost:** \$135 (Inc. GST) **Time:** 9 am to 3 pm

This our standard beginner course, suitable for both NXT® and EV3®. 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: Castle Craze (UOW Wollongong)**

**Date:** 10th and 11th July 2017 (Mon– Tues)  
**Cost:** \$165 (Inc. GST) **Time:** 9 am to 3 pm

Storm the Castle! In Castle Craze students will compete with each other to build and program robots to attack a medieval castle and escape with the treasure. Expect to make your robot cross a moat, knock down walls, navigate a labyrinth and much more. 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: Robo Zine (Narellan Library)**

**Date:** 12th July 2017 (Wed)  
**Cost:** \$30 (Inc. GST) **Time:** 9 am to 1 pm

Make “Tabby”, a graphic novel by Stephen Kok, come to life! Build and program LEGO® MINDSTORMS® robots to re-enact scenes from this feline adventure. This course is designed for novice and advanced students aged 8-15. **Note:** Zobo-Zone is operated and organised by Camden Libraries. Visit [www.library.camden.nsw.gov.au/whats-on](http://www.library.camden.nsw.gov.au/whats-on) for booking details.

**Workshop #4: Intro to MINDSTORMS® (UOW Shoalhaven)**

**Date:** 13th and 14th July 2017 (Thurs-Fri)  
**Cost:** \$135 (Inc. GST) **Time:** 10am to 4pm

This our standard beginner course, suitable for both NXT® and EV3®. 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 #5: Castle Craze (UOW Shoalhaven)**

**Date:** 13th and 14th July 2017 (Thurs-Fri)  
**Cost:** \$165 (Inc. GST) **Time:** 10am to 4pm

Storm the Castle! In Castle Craze students will compete with each other to build and program robots to attack a medieval castle and escape with the treasure. Expect to make your robot cross a moat, knock down walls, navigate a labyrinth and much more. 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.

**REGISTRATION FORM (Part 1)**

**1) Please CIRCLE the camp you wish to attend.**

- #1 Introduction (Wollongong) \$135 10th-11th Jul
- #2 Castle Craze (Wollongong) \$165 10th-11th Jul
- #4 Introduction (Shoalhaven) \$135 13th-14th Jul
- #5 Castle Craze (Shoalhaven) \$165 13th-14th Jul

**2) Equipment/Experience**

**Do you have previous MINDSTORMS® experience?** Y/N  
**Will you supply your own equipment?\*** Y/N  
**If YES (Please circle):** NXT / EV3

\*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](http://www.projectb.net.au)

**Important Notes:**

- Enquire if places are available **BEFORE** sending registration/payment! Email [coach@projectb.net.au](mailto:coach@projectb.net.au) or visit [www.projectb.net.au/robo-camp/enquire-now/](http://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