ROBOTICS ENGINEERING PROGRAM

SPECIALIST ROBOTICS PROGRAM
- DESIGN
- CONSTRUCT
- CREATE
- PROGRAM
- OPERATE

EMAIL COLLEGE FOR COURSE REGISTRATION INFORMATION

Alkimos Baptist College
Courage • Faith • Service
60 Seagrove Boulevard, MERRIWA WA 6030
PHONE: 08 9406 8189  |  FAX: 08 9406 8461
EMAIL: administration@alkimosbcpa.wa.edu.au
COURSE INFORMATION

Robotics is a branch of Science that incorporates mechanical engineering, electrical engineering and computer science to design, construct, create, program and operate robots. At Alkimos Baptist College students who are involved in the Robotics Engineering Program will be immersed in activities seeking to delve into the world of Robotics.

The Robotics Engineering Program is designed to challenge students in creative and innovative thinking, using problem solving skills to enhance their educational experience. This course is tailored to students who are fascinated by technology. The students involved in the Robotics Engineering Program will gain an advanced knowledge on:

- Circuitry and Electronics
- Computer and Robotics Programming
- Design and Construction
- Remote Control and Artificial Intelligence Robotics

Students will also receive the opportunity to test their knowledge of Robotics at various state and national level Robotics Competitions. With various levels of difficulty and a variety of different competition categories all students in the Robotics Engineering Program will enjoy working towards competing.

Alkimos Baptist College offers a unique opportunity for all students to receive an excellent education in a small community focused environment. The College has a firm, fair student management policy that empowers all students and teachers to engage confidently in educational pursuits free from unreasonable disruption.

The College has made an ongoing commitment for all students who are selected for the Robotics Engineering Program. The Program will be delivered over 6 periods per week for 4 years. Students selected in Year 7 in 2017 will conclude the program at the end of Year 10. Students who are withdrawn from the College will forfeit their right to be involved in the Program.

Students who are selected for the Program will need to complete the following Application Form. Once the form has been submitted to the College, a time will be organised with the family for an interview with the Principal. Students will then sit a Selection Test on **Friday 19th August 2016**. Upon successful completion of the test, students will be informed in writing if they are selected into the Program.

Students wishing to join the Program after 19th August 2016 will be put on a waiting list and contacted if places become available.
STUDENT APPLICATION FORM

Surname: ____________________________________

Name: ____________________________________

Date of Birth: ____________________________________

Gender: Male / Female

School Currently Attending: ___________________________________________________

Year Group in 2017: ________________

Address: ____________________________________

____________________________________ Post Code: ______________

Parents Name:_______________________________________________________________

Telephone: H: _______________________ M: __________ ____________________

E-mail (Parents): ____________________________________________________________

Parents Signature: _________________________________

PLEASE ATTACHED TO THIS FORM:

• Students Questionnaire
• Student Character Reference

Selection for the Robotics Engineering Program will be based on:

• An interview with Principal
• Successful completion of the Robotics Selection Test
  Friday 19th August 2016  3:15pm-4:30pm  Alkimos Baptist College
• Adherence to Student Management Policy

Please return completed forms to:
Robotics Engineering Program - Alkimos Baptist College
60 Seagrove Blvd
Merriwa WA 6030
or
EMAIL: administration@alkimosbc.wa.edu.au
Attn: Robotics Engineering Program
STUDENT QUESTIONNAIRE

What are your major interest and hobbies?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

Write about a time where you had to be creative and inventive to solve a problem. What was the problem and how did you solve it?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

What experience have you had in circuitry, electronics, programming, robotics, design or construction? (If a student has had no experience, please write about what do you find interesting about these aspects of Robotics.)

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________

Why do you want to join the Robotics Engineering Program?

___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
___________________________________________________________________________
STUDENT REFERENCES

The Robotics Engineering Program at Alkimos Baptist College is a challenging and rewarding course for students who excel in innovative, creative and inventive thinking. Please complete a character reference focusing on these concepts.

Referee’s Name: _______________________________________________

Occupation/Position: _______________________________________________

Student’s Name: _______________________________________________

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CURRICULUM

Compulsory Subjects:                  Periods

English                                  5
Maths                                    5
Science                                  5
Humanities                                5
Christian Education (Connect)             2
Physical Education                       2
Health Education                         1
Information Communication Technology      1
French                                   2
Assembly                                  1

Elective Subjects:

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<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Year Long Program</th>
<th>Year Long Program</th>
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<tbody>
<tr>
<td>Foods</td>
<td>Wood Work</td>
<td>Robotics Engineering Program</td>
<td>Fashion &amp; Design Academy</td>
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<tr>
<td>Music</td>
<td>Music</td>
<td>Robotics Engineering Program</td>
<td>Fashion &amp; Design Academy</td>
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<td>Art</td>
<td>Drama</td>
<td>Robotics Engineering Program</td>
<td>Fashion &amp; Design Academy</td>
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Robotics Engineering Program and Fashion & Design Academy are specialist pathways predetermined via nominations, tests and selection criteria. Only students selected for the Robotics Engineering Program and Fashion & Design Academy may choose these pathways.

Student’s Name: _____________________________
Parent’s Name: _____________________________
Parent’s Signature: _________________________
Date: _____________________________
STUDENT MANAGEMENT SYSTEM

The Charter of Good Will is the central focus of discipline and self-discipline for each student of the College.

Every student and teacher has a right to:

- Learn or teach free from disruption.
- Be treated courteously.
- Be free from any form of discrimination including verbal or physical abuse.
- Work in a clean, safe and healthy environment.

There are many ways in which students are encouraged in normal College life to be well disciplined. These include:

- Teachers showing genuine interest in each student in their care.
- Praise and encouragement given.
- Physical awards are given through Merit Certificates, Prizes and Trophies.
- Acknowledgment to peers in class, at year assemblies and whole school assemblies.

The end result is that students are being trained to be self-disciplined. They are taking responsibility for their own actions in a caring community.

However, if a student is disruptive in a class they need to realise that not only are they disadvantaging themselves but they are disadvantaging everyone else in the class.

Every student has the right to the best possible education they can obtain at Alkimos Baptist College.

The system of behaviour management is in three parts at Alkimos Baptist College, one for inside the classroom, another for outside the classroom and the third is an infringement system.
STUDENT MANAGEMENT SYSTEM

INSIDE

Any seen or perceived disruptive behaviour is dealt with using a procedure known as “Canter”. That is, without a fuss nor necessarily a verbal exchange, the teacher writes the name of the disruptive student onto the whiteboard. This is the student’s first warning. Further disruption by the same student will result in a tick placed next to their name. This is the second warning. Following further disruption from the same student, there is no need to tick their name again, simply send them to the Student Office.

When a student is sent out the student is sent to the Student Office.

A student sent out of any class 5 times in a year is withdrawn by his/her parents or the Principal will permanently exclude them from attending Alkimos Baptist College.

The system in summary:

1st time                  Verbal warning by Deputy Principal
2nd time                  Formal letter sent home to parents indicating that the student has been sent out of class on two occasions. An interview is requested.
3rd time                  In-school suspension - separate recess / lunch breaks - no contact with students. Parents are notified as soon as possible and come for an interview. The student is now required to meet with the Year Co-ordinator or the Chaplain of the school for counselling.
4th time                  Out-of-school suspension - total suspension from College. Parents are notified as soon as possible and asked to collect their child at their earliest convenience and have another interview.
5th time                  Withdrawal or permanent exclusion from College.
STUDENT MANAGEMENT SYSTEM

OUTSIDE

General rule: The offending student/s is sent to the Student Office. They remain at the office until otherwise informed.

Light offence       Dealt with by the teacher.
Moderate offence    Student sent to the Student Office for recording of name and to see the Deputy Principal.
Severe offence      Sent immediately to the Student Office to see the Deputy Principal.

When a student has been sent to the Student Office and their name recorded on four occasions for moderate offences, then on the 5th they are suspended for a day.

If a student repeats this suspension procedure two times in one year they are required to meet with the Year Co-ordinator or the College Chaplain for counselling.

If a student repeats this suspension procedure three times in one year they are withdrawn from the College.

If a student is sent to the Student Office for three severe offences in one year they are withdrawn or permanently excluded from the College.

A student could be excluded on the first serious offence in relation to physical abuse (bringing a weapon to school), substance abuse (drugs) and sexual abuse.
STUDENT MANAGEMENT SYSTEM

INFRINGEMENT SYSTEM

Students are permitted to record a total of 24 infringements during one year.

At the 25th infringement the students will be withdrawn from the College.

At 5th infringement – Letter sent home.

At 10th infringement – Parents asked to attend an interview.

At 15th infringement – Student is suspended, parents come for an interview.

At 20th infringement – Student is suspended, parents come for an interview.

At 25th infringement - Student is withdrawn from the College.

Infringements are: Incorrect uniform.
Homework not done three times.
Chewing gum.
Writing/passing notes in class.
Late to College/class twice in a week.
Not bringing appropriate equipment for class lessons 3 times.
Hair untied.

The infringement examples are provided as a guide.