


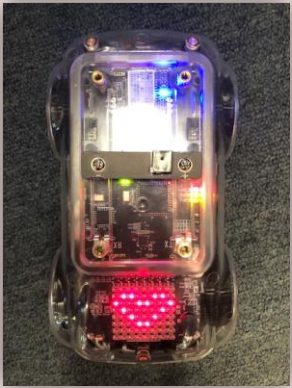


## CODE WITH ALTINO



# YEARS 7 - 8 HYBRID PROGRAMME SCHOOLS

Learn basics of programming in Scratch language with leading edge robotics. Solve problems related to programming sensors in robots. Includes 1 scheduled week with Altino the Robot Car and coding exercises

Recommended Age Group	Secondary School - Years 7-8 (Stage 3)	
Pre-requisites	None required	
Onsite teaching	<h3 style="text-align: center;">INTRODUCTION TO ALTINO</h3> <ul style="list-style-type: none"> <li>On site teaching - 1 hour on school premises</li> <li>Explore Altino's sensors</li> <li>Introduction to Scratch programming &amp; robot functions</li> <li>Introduction to using flowcharts when programming</li> </ul>	
Program Altino's functions X 3 hours (learn at home over 1 week)	<h3 style="text-align: center;">PROGRAM ALTINO'S FUNCTIONS</h3> <ul style="list-style-type: none"> <li>Program Altino's functions with Scratch program</li> <li>Learn and play music with Altino</li> <li>Display pixel art on LED matrix</li> <li>Principles of computer programming - loops, conditional statements, operators</li> <li>Program Altino's light &amp; infrared distance sensors</li> </ul>	
AND For advanced students	<p>See above plus:</p> <ul style="list-style-type: none"> <li>Basic - Level 1 autonomous driving programme</li> <li>Basic - Level 2 autonomous driving programme</li> </ul>	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div> <p><b>CDS : 378</b> Illuminance sensor</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div> <p><b>Temp : 22°C</b> Temperature sensor</p> </div> </div> <div style="display: flex; align-items: center;"> <div> <p><b>IR-1 : 217</b> Infrared distance sens</p> </div> </div> </div>

Book online at [www.codewithaltino.com.au](http://www.codewithaltino.com.au)  
 E: [courses@saeon.com.au](mailto:courses@saeon.com.au)

