



# Beerwah State High School

## STEP Program

### School Transition Enrichment Program (STEP)

General Overview: The aim of STEP is to enrich the educational experience of a group of students across the Glasshouse Coalition of schools in the areas of history, science, art, design technology and athletics. The students selected to participate will have a genuine passion and ability within the area they are selected.

| Learning Area   | Program Overview   |
|---|--|
| <b>Sports Development</b><br><b>(20 places)</b>           | This program aims to provide students with key knowledge and skills to meet the demands of almost any sport. The topics covered will assist students in their pursuit of personal excellence in their chosen sport while providing an understanding of how to build and maintain personal health and fitness. As part of this program a range of fitness tests will be conducted. The results of these tests will be considered when selecting students for the Athletics Extension Program (AEP).   |
| <b>The ARTs</b><br><b>(15 places)</b>                     | In this program students will use their creativity, imagination and senses as they enhance their understanding of The Arts. Students will be actively engaged across a range of activities within The Arts including: Drama; Music and Visual Arts.  |
| <b>Dance</b><br><b>(20 places)</b>                        | The dance program will be targeted towards students who wish to further develop their performance skills in Dance. Students will participate in a number of workshops focusing on different genres (e.g. contemporary, jazz, hip hop, lyrical), developing and performing a short routine to be presented at the completion of STEP and have the chance to audition for our fantastic extra-curricular programs, Beerwah Dance Company and Dance Development Program.  |
| <b>Design Technology (Food)</b><br><b>(15 places)</b>     | This program aims to provide students with key knowledge and culinary skills to meet the demands of a design challenge. Students will be required to respond to a design task and produce a creative response. This program involves students designing, producing and evaluating food products in a short time frame.   |
| <b>Design Technology (Industrial)</b><br><b>10 places</b> | This program involves students in designing, engineering and producing an innovative and creative product. The study requires students to: <ul style="list-style-type: none"> <li>• identify needs, wants or opportunities associated with a design task</li> <li>• respond to design tasks by investigating, considering and selecting resources and strategies that may resolve the design situations</li> <li>• devise and implement plans or strategies to solve design problems</li> <li>• produce creative responses in the form of innovative engineered products, prototypes or models, and evaluate outcomes, impacts and outputs.</li> </ul> Students will engage with a range of intellectual challenges using higher-order thinking skills to develop real and practical products. |
| <b>Exploring Robotics</b><br><b>(15 places)</b>           | This program will allow students to immerse themselves in the fundamentals of robotics and coding. Using the LEGO Education EV3 Mindstorms, students will explore and enhance their coding and sensor knowledge and then apply this to a series of robot challenges. Students will get hands on programming experience using the Lego EV3 Mindstorms. They'll work in small groups and exercise their problem-solving and team working skills, providing students with Digital Technologies cross curricula opportunities.   |
| <b>Science</b><br><b>(20 places)</b>                      | This program will introduce the three main strands of Science. By completing this course, students will gain further insight and knowledge about Biology, Chemistry and Physics and have the opportunity to use specialized equipment in a science laboratory.<br>Some topics covered in the program include fermentation by yeast, DNA extraction, forensics, chemical reactions including making slime, motion sensors, solar telescope viewing and enzyme action.   |