

Why Study Creative Mathematics?

Creative Mathematics:

- Introduces students to extension and enrichment topics linked to the subject of Mathematics.
- Provides opportunities to explore areas of mathematics not included in the junior curriculum, while developing transferrable skills to other disciplines.
- Allows students to create and play with mathematical ideas in a guided manner.

Students will learn strategies that may be applied to:

- Junior and Senior Subjects
- Mathematics Competitions
- Team Challenges
- Tertiary Education
- Computer Programming
- Problem Solving

For more Information

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Let's Connect

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Attn:

Creative Mathematics Program



9 THE SEMI-COLON
When you have two independent clauses (two mini-sentences) joined by a conjunction (e.g. and, but), you can remove the conjunction and replace it with a semi-colon.

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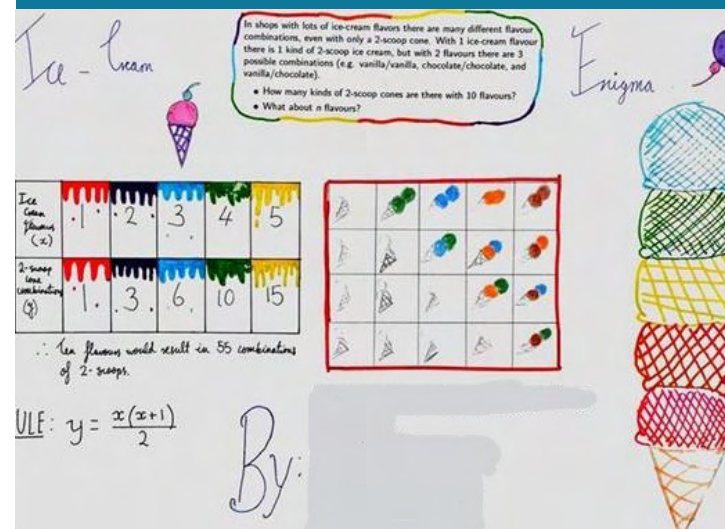
Department of Education
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Years 7 - 9

Creative Mathematics



Craigslea
State High School



Philosophy of Creative Mathematics

Creative Mathematics focuses on developing each student's joy and satisfaction in solving problems.

Creative Mathematics gives students an opportunity to explore areas of mathematics not included in the junior curriculum, while developing transferrable skills to other disciplines.

The program develops the following General Capabilities:

- Critical and Creative Thinking
- Information and Communication Technologies
- Numeracy
- Literacy

Course Outline

Number of Weeks	Activity
3 - 4 Weeks	<ul style="list-style-type: none">• Combinational games
14 - 15 Weeks	<ul style="list-style-type: none">• Problem solving strategies• Communicating solutions

Potential topics include:

- Counting and permutations
- Geometry and symmetry
- Connectivity
- Patterns
- Problem solving

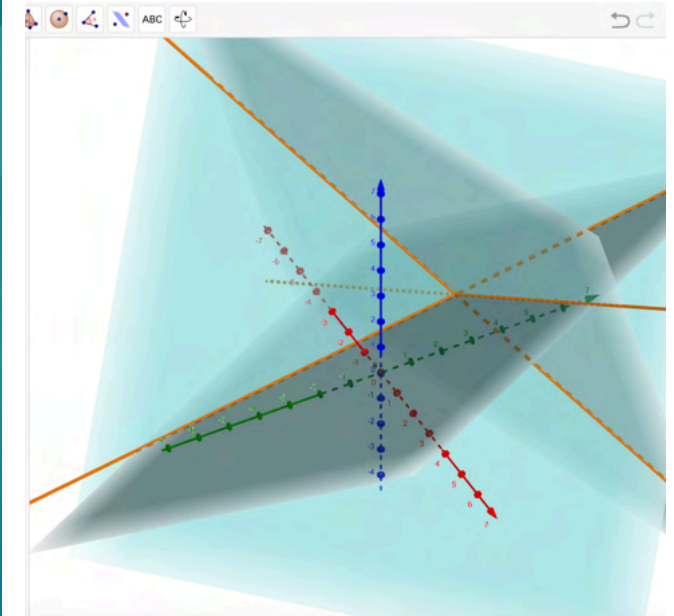
Creative Mathematics will consist of one 70 minute lesson a week.

3.05pm – 4.15pm.

Assessment Summary

Assessment will consist of feedback on individual and group work.

Students will develop a portfolio of work recording their learning through the program.



Entry Requirements

Entry requirements for this non-mandatory elective subject will be based on the following:

1. Maximum of 28 students
2. Application
3. Suitability (effort and behaviour)
4. When needed, we will balance the number of each age group. For example, nine students per grade.
5. \$10 fee paid

