

Junior Cycle 'Maths' at Coola PPS

The aim of junior cycle mathematics is to provide relevant and challenging opportunities for all students to become mathematically proficient so that they can cope with the mathematical challenges of daily life and enable them to continue their study of mathematics in senior cycle and beyond. In this specification, mathematical proficiency is conceptualised not as a one-dimensional trait but as having five interconnected and interwoven components:

- conceptual understanding—comprehension of mathematical concepts, operations, and relations
- procedural fluency—skill in carrying out procedures flexibly, accurately, efficiently, and appropriately
- strategic competence—ability to formulate, represent, and solve mathematical problems in both familiar and unfamiliar contexts
- adaptive reasoning—capacity for logical thought, reflection, explanation, justification and communication



DEPARTMENT OF MATHEMATICS

Maths week

Always a fun week in Coola Post Primary where students engage in quizzes, puzzles, problem solving activities and poster competitions. Students love the chance to put their maths knowledge to use in these ways. A wonderful opportunity to engage in team work and bond with classmates as there is always a little tint of class rivalry! It is also good practice for the Annual First Year Maths competition which we enter each year in the Sligo/ Leitrim area.



What skills does studying mathematics develop?

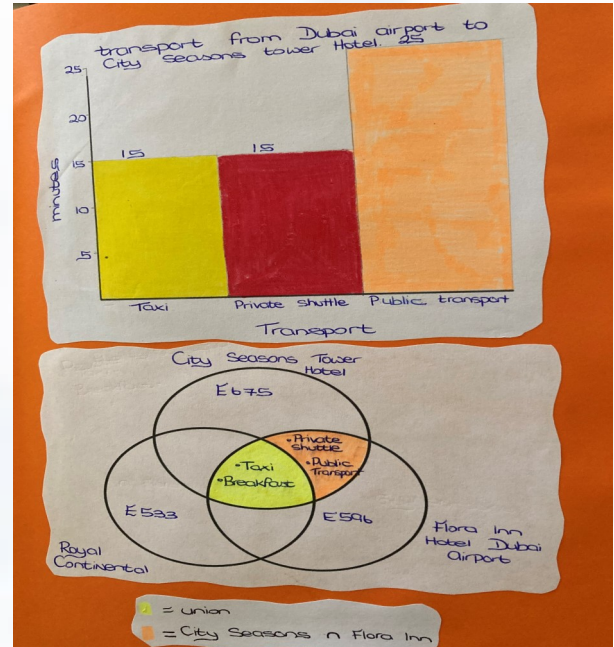
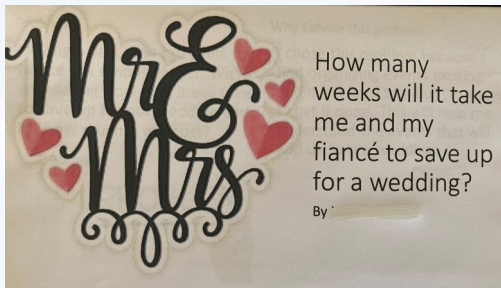
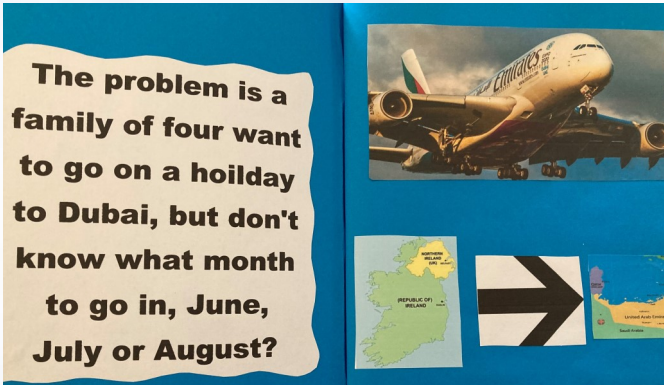
- critical thinking.
- problem solving.
- analytical thinking.
- quantitative reasoning.
- ability to manipulate precise and intricate ideas.
- construct logical arguments and expose illogical arguments.
- communication.
- time management.

Jobs supported through Maths



Class Room Based Assessments

The Classroom-Based Assessments will be carried out by all students, and will be marked at a common level. The teacher's judgement of their mathematical attainment will be recorded for subject learning and assessment review, as well as for the school's reporting to parents and students. There will be a CBA in both Second and Third Year. One is based on problem solving using maths and the other on Statistics in everyday life. Some images of such can be observed below.



Team Teaching



Student Achievement.

In Coola Post Primary students are encouraged to achieve to their full potential. Students are supported through Team Teaching. Where possible, a second Maths teacher is present in the room during class to help students, as the class is in progress. The child benefits as they can have a query explained by another maths teacher, quickly, hence helping them to progress. It also creates an atmosphere where students feel comfortable asking questions and looking for help. We are fortunate that a number of our Maths Department are fully qualified in the area of Learning Support.