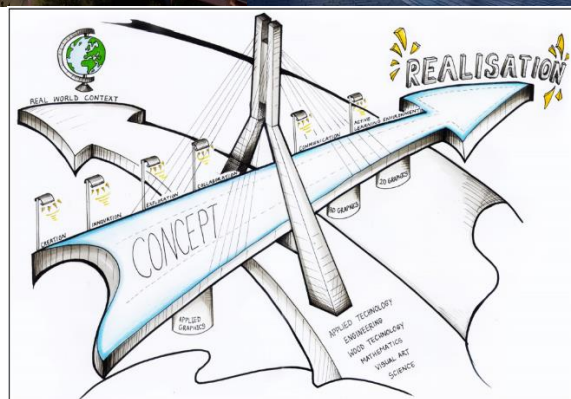


QUESTIONS

AIMS OF SUBJECT:

The study of Graphics at junior cycle aims:

- To develop the student's creativity, spatial ability, and capacity to reason and communicate ideas through engagement with abstract and applied geometric problem-solving activities
 - To encourage the development of the cognitive and practical dexterity skills associated with graphical communication
 - To instil an appreciation of the role of graphics in the world around them
 - To equip all students to make judgements on the best mode through which to represent their ideas and solutions
 - To encourage the production of drawings that promotes the skills of communicating through graphics
 - To develop students cognitive and practical skills associated with modelling and graphical communication.
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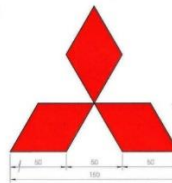


RATIONALE FOR SUBJECT:

Graphics is recognised as the underpinning language of the technology disciplines and is transferable across a wide range of subjects such as mathematics, science and art. Students will use a variety of media to communicate their ideas and designs through this unique language. Throughout the course, students will explore the geometric world to gain an appreciation of the importance of graphics in the world around them. They will develop cognitive and practical skills such as graphical communication, spatial visualisation, creative problem-solving, design capabilities and modelling, both physically and through the use of computer-aided design. Students will develop their creativity as they investigate and solve design challenges. During the problem-solving process, they will work with their peers to refine their ideas from an abstract concept to a final, detailed, drafted design. Abstraction, and spatial reasoning are fundamental to this process; graphics provides multiple and varied opportunities for students to develop these high level cognitive and creative skills in engaging contexts.



QUESTION: THE MITSUBISHI LOGO SHOWN BELOW HAS BECOME ONE OF THE MOST WIDELY USED LOGOS IN THE WORLD. THE BASIC SHAPE IS AN EQUILATERAL TRIANGLE WITH THE



Accurate technical drawings are essential in the design and manufacture of components and artefacts. The need for precise communication in the preparation of a functional document distinguishes technical drawing from the expressive drawing of the visual arts. Producing accurate drawings requires significant attention to detail and a patient and resilient mind-set. Students will continually review and reflect on their working drawings developing strategies for improvement as they progress.

ASSESSMENT:

The assessment of Graphics for the purposes of the Junior Cycle Profile of Achievement (JCPA) will comprise of:

- two Classroom-Based Assessments; Communicating through sketching and Graphical presentation skills
- project
- final examination.



