



Scoil phobail Beal Átha h-Ambhnaís

BALLYHAUNIS COMMUNITY SCHOOL

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Literacy and Numeracy in Technical Graphics/DCG

Reasons to integration of Numeracy and Literacy in T Gr. And DCG

- The universal language of *design and graphic representation* helps bridge and overcome many literacy barriers.
- Keywords to describe the skills mastered in Technical Graphics and DCG are easily identifiable and can help the student associate with the meaning of that particular term.
- Where pupils struggle with the language to represent their ideas there is huge scope to use other *practical* means to communicate.
- Literacy is encouraged through the use of posters on the wall with new terms explained.
- Numeracy is an integral part of TG and DCG. Links between Maths and Technical Graphics are often seen and easily recognised to the students. This is especially focused upon with the short Junior Certificate questions.

Strategies for Improving Literacy and Numeracy

- Students label sheet in title box and label each view they draw.
- The DCG student assignment requires students to explain, compare, discuss, analysis various products. Thesauruses/Dictionary and internet are encouraged to find adjectives to describe shapes etc.
- A print rich environment is in the classroom both 2d and 3d.
- Topics are explained and demonstrated explicitly to students.
- Class discussions are encouraged using relevant terms/descriptions.
- Students compare and contrast themes and ideas when designing products.
- Students are encouraged to organise and convey their written work accurately through the use of annotations. Huge emphasis placed on size/accuracy and proportion at all levels. Measurement conversion is also emphasised.