



CLASSROOM BUZZ

A GIBRALTAR COLLEGE NEWSLETTER

THINK 3D! GIBRALTAR COLLEGE LOOKS TO THE FUTURE!

BY SARA TZILI EL HASSANI CHDIQI



KYLE ESCAMEZ, IKE MONTOVIO AND SARA TZILI,
OBSERVING THE 3D PRINTER AT WORK IN ROOM 4.

A 3D printer is a device that creates parts by building up objects through laying down many thin layers of a material. It is mostly known in a process called Additive Manufacturing, where an object is made by adding material layer by layer. Additive Manufacturing allows designers to create complex parts for aeroplanes, cars and machines for an efficient cost and time. Most common materials used in 3D printing are plastic, PLA, Nylon or Polyamide; ABS plastic is less brittle and it is another commonly used plastic. All these types of plastic can help you with any project. It is the perfect method to do some rapid prototyping as you can make many iterations at a lower price, and very easily, using 3D modelling software. This technology is proving to be quicker and more cost effective when compared to other conventional manufacturing processes including injection moulding and subtractive production.

This technology enables product designers to verify product models before starting out on considerable manufacturing investments that can sometimes be unsuccessful. This changes the old production model, people nowadays are allowed to produce whatever they want using a 3D printer, all they need are the required data and materials.

Below is a list of advantages and disadvantages of 3D printing:

Advantages of 3D printing

- Faster Production
- Easily Accessible
- Better Quality
- Cost-effectiveness
- Less Waste Production
- Unlimited Shapes and Geometry
- Risk mitigation
- Build your imagination

Disadvantages

- High Energy Consumption (Heat)
- Limited materials
- 3D printers are slow
- Manufacturing Job Loses (Change job specs)
- Harmful emissions
- Too much reliance on Plastic

MISS BACARESE

Head of Languages Co-ordinator

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“QUOTE OF THE MONTH”:

“See it and believe it”

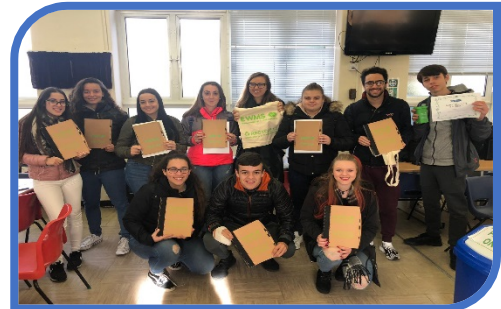
Whatever dream you are wishing for, if you can see it and believe it in your heart, you can make it come true.

”

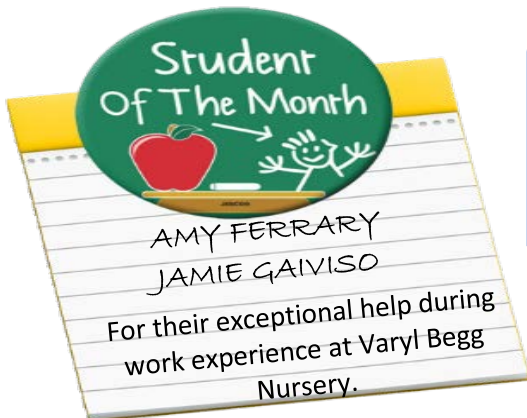
Thank-you to all College students, present and past, for inspiring me to become a better teacher and for always rising to meet expectations. Wherever I may be, know that I will always be rooting for you and wishing you well. All my love, Miss Bacarese



HSC STUDENTS AT WORK EXPERIENCE



CERTIFICATES AWARDED TO STUDENTS FOR THEIR HELP AT THE FUN DAY



L1 FUNCTIONAL SKILLS ENGLISH ORAL



Whats on this month...

PARENTS EVENING:

LEVEL 1: Tues 22nd Jan 2019
LEVEL 2: Wed 23rd Jan 2018
PLEASE SEE YOUR TEACHERS FOR APPOINTMENTS!

LONDON BOARD EXAM:

Wed 23rd Jan 2019, AM
Check your statement of entries!

TRAFFIC FREE TUESDAY:

Tue 29th Jan 2019
--Walk, Cycle or Bus--

GIB TALKS:

Sat 2nd Feb 2019
@ 9:00am – 5:00pm, JMH
Tickets on sale at £5 from JMH or www.buytickets.gi