

A s p i r a t i o n

Regal International College Quarterly Newsletter!

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From the Editor

Summer break is over, and Regal International College seems to spring back up into liveliness—with students and lecturers, after months of being just another abandoned room, full of tables and computers.

You may not have seen or heard of me before, but my name is Ravi Gadhia, aged 15, from Hatch End High School, and I have come to Regal International College, for work experience, well—to experience how it feels to be part of a school's staff, rather than being a student for 12 years!

When outside the door of the building of Regal, I thought to myself, "As soon as I take my first steps past this door,

I'm going to part of a schools staff..." it's really something different from what I have experienced in life.

As soon as I took my first steps into the building, down the stairs, I saw all the hardware and computers, and I knew then I was going to have a great work experience, which I am having at the moment—diagnosing and repairing computers, as I am very "tech-savvy" and have a lot of experience of computers and enjoy working with them.

I met Mr. Sivakumar for the first time, and we greeted each other and I sat down, waiting for a task for me to be given.

After a short while, Niro arrived, and I thought—"is he a student or is he part of the staff?" And to my surprise, he was part of the staff, but very cool—not like how I imagined school staff to be! He was the first one to give me a task, which was pretty much a piece of cake!

Now, I have met all the staff, who are definitely friendly towards everyone, informative, praising, jolly and good company to be working with! I give a thumbs up to Regal International College and everyone there, but I am going to miss working here, after I leave in one week's time.

-Ravi Gadhia

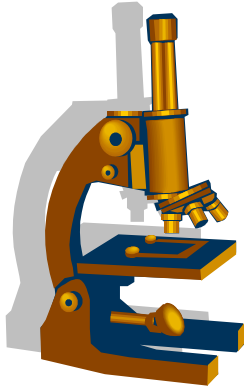
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542B High Road, Wembley, Middlesex, HA0 2AA. United Kingdom
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Engineering Science



Engineering science is a discipline that takes 4 years to complete at university. At a top university such as Oxford there is only a 34% pass rate, if you are one of the lucky 34% you will achieve a *MEng (Masters of Engineering)*. To be admitted you need 3 A's in A/S Levels which include Math and Physics.

It depends how the course is set out depending on the university, but it should all be similar to the one I will explain.

In the first year you will learn what you should have learnt in A/S Level maths and physics. This will be taught in a new light and a more advanced level. On top of this you will be introduced to more engineering topics such as structures and fluid mechanics. You will be tested not only by your knowledge and logical thinking through exams, you will have to create three projects in three different topics this will mean you have to be creative as well as clever.

In the second year you will study the 5 core topics which are:

- .Mathematical methods
- . Electrical systems
- . Modelling, dynamics and control
- . Structures and materials
- . Fluid mechanics and thermodynamics

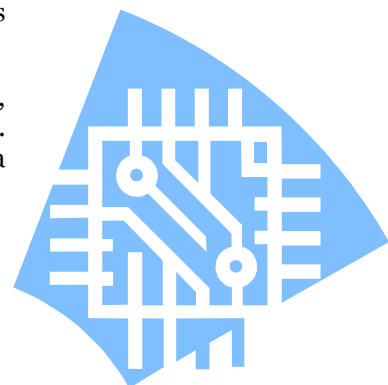


You also get to study more deeply in another two topics which must be selected from the list below:

In the third year you will do an engineering and society course which as the name suggests that its how engineering affects society. Also you can skip coursework to do a language course.

In the final year you can do single in-depth project on your own or another student. This means you won't have to sit the 3 paper long exams at the end. There are many topics you can choose. You also get to do work experience in the engineering field or spend 6 months abroad as an exchange student.

This discipline will not only advance your understanding of maths, physics and engineering but will develop your skills in IT and business. It would be great if you are interested in maybe starting or running a business which is connected to construction and technology.



Why I.T. is important to different fields of work.



IT is very important in various fields of work as It helps gather information, store it and use it. On the other hand, a lot of problems come with the use IT in different fields of work but the benefits outweigh the risks. Some of the benefits involve storing mass amounts of information in databases. Visual aid in the form of presentations at meetings. Photographers can enhance and edit pictures with using software like Photoshop. IT allows communication to become lighting fast. Here are some examples of workplaces, which use ICT.

Workplace	Reason for the use of ICT
Schools	Teachers use to contact each other and possibly students and parents
Police	Police use to check up on people to see criminal records
Banks	IT is used to store information involving finance
Hospital	Information about illnesses and drugs is stored
TV studios	IT is used to edit videos and edit sound recordings

I'll go in to more detail about these workplaces later!

Letters can take days and weeks to arrive at their destination, where as emails take a matter of seconds to arrive to the recipient. Another benefit of using email rather than the old fashioned letter is that files can be attached along with them, such as pictures, videos so why bother to use letters?

There are many risks with using IT such as the systems can crash and fail, causing a workplace to loose valuable data, and then time would have to be spent to recover the data and possibly money as well, but any workplace which uses IT to store information should regularly backup data in case of system failure, attacks and environmental causes which could affect the data. It is easier to store data on computers rather than loads of files and folders so convince plays an important role with different workplaces that decide to use IT.



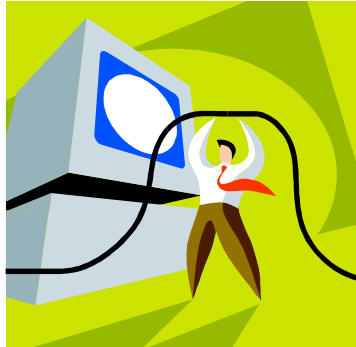
“Time Management means balancing Academic work, building up key skills and making friends as well as showing you can handle responsibilities.”

If IT plays such an important role in our day-to-day lives (*checking email, weather broadcasts and news on the internet*), it plays an even bigger role to a variety of workplaces. Imagine your Internet connection cuts out and you could not email your friends then imagine an army base could not communicate with its soldiers because the IT has failed. IT plays such an important part of different work places more important then our homes uses for IT.

If your aspiration (*no pun intended*) is to be a doctor or get a job in the whole medical field you would be happy to know a lot of doctors get information from other doctors who have there work published online to share with the public and other doctors. The information about drugs, there effects and side effects are also stored - ready to be viewed at a touch of a mouse. New news about illnesses can be noted on computers and progress about treatment can be easily updated.



Why I.T. is important... (contd.)

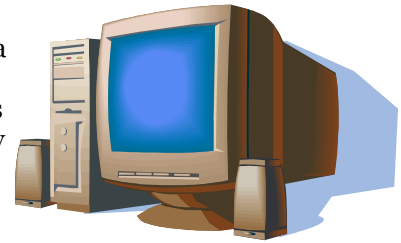


Police use ICT heavily. They use databases to store information about people who are missing, people that are wanted, stolen cars and convicted criminals. This information can be updated quickly. A great thing about the police using ICT is that when a 999 call is dialled the police can search for all cars near the incident and tell them to arrive quickly at the scene.

A majority of the schools I have attended use ICT, and I assume many schools, in the U.K., and globally would use ICT too. ICT is used as a learning aid to help the children understand and the kids can actually use the computers to gain ICT experience. IT is used

to print out newsletters, send information between teachers and to store information on a database about there pupils

Ah, TV studios. They really wouldn't be able to function properly without the use of ICT. Imagine a team filming your favourite soap with lots of mistakes and it runs over the scheduled time. Now this is when video editing software comes in very handy to reduce run time. TV and film studios use ICT to make Computer generated images (CGI for short)



which gives animators a lot of freedom to design very imaginative characters. If video isn't your thing then studios also use ICT for audio purposes such as to record sounds, enhance them and to make artificial sound, for special effects—to catch the audience's eye.

Where would the world be if there was no safe place to store your money? Hopefully we will never find out. Banks. They use ICT to keep track of the loans and other financial information. It's most likely they use super computers to handle all the information they have which needs to be securely stored.

Modern Music



Music from now and 50 years ago have changed vastly. New modern artists have come in. The genres popular with teens nowadays are Contemporary R'n'b, Rap, Soul and Urban. New artists have taken over the charts and Contemporary R'n'b has become very popular.

Contemporary R'n'b originated from R'n'b (rhythm and blues) from the 1940's and it's a combination of soul, pop, funk, and hip-hop. Ever since the 1990's these contemporary R'n'b have taken over the charts.

Artists such as Mariah Carey, R Kelly and Boys II Men started at this time period and released albums between 1994-1995 which have sold over 10 million copies. Since then newer artists have formed and followed these artists selling millions of albums and singles every year. Some artists take singles from the past and make them in to their own and modernize it so people of this day will like it more.

The artists that are doing well since 2000's are Rihanna, Ne-yo and Chris Brown who regularly release singles which teens of today listen to the most. They do duets with other artists which mixes different genres together e.g. Rihanna singing along with Jay-z, in her recent single Umbrella, who is a rapper so it mixes the genres of rap alongside R'n'b.

One of my favorite artists is Rihanna and I listen to songs regularly. She has three albums and she reher first in 2005 Music of the Sun which featured her gle 'Pon de Replay'. She then went on to release her album 'A Girl Like Me' which featured 'Unfaithful' was written by Ne-yo. Her new album this year is Girl Gone Bad' let's hope it does as well as her previous albums.



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I am also a big fan of Ne-yo who has just become popular since releasing his first album 'In My Own Words' in 2006. His hit single 'So Sick' was a very big success and got to number one in the UK Charts. He then went on to release his new album 'Because of You' this year which I think will be a great success as his songs are brilliant!

Usher is another of my all time favorite R'n'b artists and he's been producing albums since 1994 and still is producing albums now. He ones of them artists you can call R'n'b legends. He's done duets with other major R'n'b artists like Alicia Keys with 'My Boo' and his newest single 'Same Girl' with the legend R Kelly. He has released five albums since 1994 and will be releasing his sixth album which is said to be released in November this year. These are the artists I regularly enjoy listening to and think that the music they produce is really brilliant stuff and loads of people my age group listen to these artists and buy their singles.



Music of this modern centaury has really changed from back in the 1950's where artists such as Elvis were popular and the genre rock was introduced and he was the first rock star.



"Being clear about what interests and what bores you is an important part of job hunting."

Article sourced from Monster.co.uk

By Priyanka