

Bridging Resources for Year 11 Applicants: Information Technology



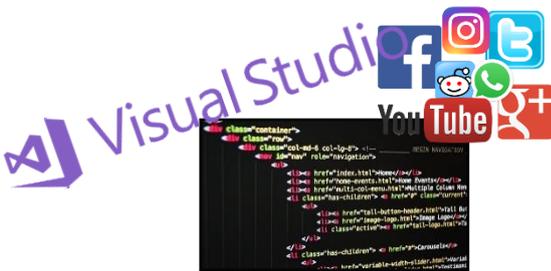
St John Rigby College

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Welcome to the IT Department at St John Rigby College, we hope that you are as excited and eager to start your chosen courses with us, as we are. This resource is designed to give you a chance to build on your already detailed knowledge from High School and to gain an insight into the topics and areas you will be studying with us.

It doesn't matter if you have chosen the Extended Diploma or the Certificate there are a variety of units you will be studying which are shown here. We hope to give you some tasks which will enable you to get a feel for the units and a slight head start for September!



Extended Diploma

- Unit 1— Information Technology systems
- Unit 2— Creating system to Manage Information
- Unit 3— Using Social Media in Business
- Unit 4— Programming
- Unit 6— Website Development
- Unit 9— IT Project Management
- Unit 11— Cyber Security and Incident Management
- Unit 12— IT Technical Support and Management
- Unit 13— Software Testing
- Unit 14— IT service Delivery
- Unit 15— Customising and Integrating applications
- Unit 18— Digital animation and effects
- Unit 20— Enterprise in IT

Extended Certificate

- Unit 1— Information Technology systems
- Unit 2— Creating system to Manage Information
- Unit 3— Using Social Media in Business
- Unit 4— Website Development

Task 1

Using Social Media in Business

Social Media is now part of everyday life and a whole generation has now grown up using the various different platforms to communicate with friends and families. However, there is another side to Social Media we may not be familiar with, this is how it can be used in business.

Create a business profile on your chosen social media platform and try to find out the following...

- What is the target audience of your chosen platform?
- What kind of posts are most effective at generating comments, likes & shares?
- What tools does the social media platform have that you can use to monitor effectiveness of posts?

Task 2

<P>rogramming;

In college we use VB (visual Basic) for programming, you can download a free copy from [here](#) or by looking for visual studio express.

Once downloaded, use [YouTube](#) to find a simple guide and have ago at writing your first program!

Task 3

Website Development

There are various different applications we can use to design websites. In college we use Dreamweaver and Brackets.

Download a copy of Brackets [here](#) (its free). Once downloaded, have ago at creating a web page, you can use this [link](#) to help.

You can also use [W3C](#) which have various tutorials which are easy to follow and are up-to-date

Task 4

Information Technology Systems

VPNs are becoming more and more popular for various reasons. Most people who have studied IT before, when asked, can give one purpose of a VPN... "It hides your location so you can watch Netflix USA"... This isn't wrong, but VPNs have other uses...

Conduct some research into the following...

How is it a benefit for someone to use a VPN when using public WIFI on a train to access sensitive work information?

Task 5

Enterprise in IT

Have you got an idea? The next big thing? Well find out what it takes to make it work.

Come up with a product or service related to IT, get the details down and some concept designs (what it might look like).

Begin the first steps –

Are there already any products out there that do what yours does? If there are, how will you make yours different?

What demand will there be for your product? Who is going to want it? What's the size of this market?

If you're stuck for Ideas why not watch a few episodes of [Dragons Den](#)

Finally, Stay in touch!

If you have any questions about topics, resources, anything at all then email stuart.hazelden@sjr.ac.uk and give [sjr csit](#) a follow!

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