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Outline content:

In Information Technology we will aim to help you:-

- Develop your knowledge and understanding of different hardware and software applications and the tools and techniques used to select, store, manipulate and present data.
- Explore the various risks associated with the collection, storage and use of data, including legal, moral, ethical and security issues, and how such risks can be mitigated.
- Create a technological solution that processes data and communicates information, following the phases of the project life cycle using different hardware and software technologies to create an integrated technological solution.
- Develop practical skills such as carrying out a SWOT analysis, creating GANTT charts, developing online surveys, and presenting data through web-based technologies.

This is a new course at Selston High School and is fully recognised by the Department for Education.

Assessment including terminal examinations and controlled assessments:

There is a practical angle to the course and one exam to sit.
The exam is worth 50%, the coursework project 50%
These will count for 100% of your final Pass/Merit/Distinction grade at either level 1 or level 2
The project is 20 hours and will test your skills in data manipulation and project management following the Project life cycle.



Examples of learning activities (e.g. offsite visits; group learning; research; use of ICT etc.)

Some lessons will feature skills and you will be invited to investigate ways of working, you will then be able to apply the skills you have learnt towards your project. The theory will be taught in all manner of creative ways with exam technique being an integral part of every topic.

Future progression (e.g. what courses might follow on in post-16 education)

A-Level and B-Tech courses in IT and Business Studies all follow on and build on-top from what is taught on this course.

Possible future careers that this course supports:

This course is great if you have considered or want a career in:

Network engineering, Technician, Administration assistant, project management or if you want to start your own business.

IT skills are highly sought after in the working world. As a result those who can do it are rewarded financially for being able to do so.

Skills; personal qualities or commitments required to take this course:

You need to be resilient, independent and be able to meet deadlines as well as having a basic enjoyment of IT.

Homework:

This will be mainly further reading with questions based on what you have read. You will also be tested on your existing knowledge and this will inform me where we need to focus our learning, both as individuals and as a class.