

Information Technology Faculty

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Studies in Information Technology

Information Technology (IT) refers to the creation, manipulation, storage, retrieval and communication of information and to the range of technological devices and systems. Studying any IT subject should prove especially relevant to students by helping them cope with the rapid rate of change associated with IT and to appreciate its advantages and disadvantages.

Whether students are aiming for a career in the Information Technology industry or another career, a study in Information Technology will form an important part of their overall education.

Information Technology teaching staff at NRSHS regularly attend professional development to maintain the currency of their IT skills, essential in a subject area which is constantly changing.

Students who study Information Technology will enter the workforce with a sound knowledge of current IT practices and industry standard software.

Full details about the subjects offered by the Information Technology Faculty are provided in the subject information booklets. The link to these documents can be found on the quick links section, on the left hand side of website home page.

Information Technology Subjects	
Year 8	Information Technology
Year 9	Information Technology
Year 10	Information Processing and Technology Information Technology Systems
Years 11 and 12	Authority Subjects: <ul style="list-style-type: none">• Information Processing and Technology• Information Technology Systems Authority Registered Subject: <ul style="list-style-type: none">• Information and Communications Technology

eLearning

eLearning is embedded throughout all Information Technology subjects. Some strategies and tools we use include:

Communication and collaboration	<p>Learning Place Tools:</p> <ul style="list-style-type: none">• Ed Studios• Learning Pathways• Blogs <p>Other tools used for student participation and engagement:</p> <ul style="list-style-type: none">• Interactive Whiteboard• Activ Engage student response system
Digital publishing	<ul style="list-style-type: none">• Publications for print• Desktop publishing• Story telling using Comic Life
Multimedia	<ul style="list-style-type: none">• Digital Photography and Photo Editing• Movie Making• Website design and development• 2D Animation• 3D Modelling
Data analysis	<ul style="list-style-type: none">• Spreadsheets used to analyze, interpret and represent data.• Databases used to store, retrieve and summarize data.
Problem solving/ programming	<ul style="list-style-type: none">• Programming business applications• Games programming• Programming for websites
Resources	<ul style="list-style-type: none">• Current computers with dedicated graphics memory• Digital cameras• Camcorders• Tripods• Computer components (for building computers)• Extensive range of current software