

**Information Processes and Technology
Stage 6 Syllabus Resources**

Suggested references for syllabus topics:

The revised syllabus is able to be implemented without significant change in the level of resources. Below is a list of texts and resources currently used in schools, together with some additional resources, all linked to topics in the revised syllabus. The list may assist schools which elect to supplement existing resources.

Content	Resource	Comment
Preliminary Course		
8.1 Introduction to Information skills and systems		
Information systems in content Page 14	Morten, R, <i>Computing Studies, Preliminary</i> , Thomas Nelson, Melbourne, 1994 ISBN 0 17 009043 4	These texts do not refer directly to information processes – only to the computer-based system and processes and data within it. Baker & Frost (Preliminary) refers to information system p110-112.
	Boyd, G S, <i>HSC Preliminary</i> , Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 16584 4	
	Baker, M & Frost, N, <i>New Senior Computing Studies: The Preliminary Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70032 4	
	Dale, C & Hopkinson, C, <i>Information Systems, Structure & Design</i> , VCTA Publishing Pty Ltd, Collingwood, 1994, Out of Print ISBN 086859 430 X	
	Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3 Unit (Common) HSC</i> , Heinemann, 1995 ISBN 0858596377	
	Cotterell, M & Hughes, B, <i>Software Project Management</i> , International Thomson Press, London, 1995 ISBN 1 850 32190 6	
	Alter, S, <i>Information Systems: A Management Perspective</i> , 3 rd edn, Addison Wesley, USA, 1999 ISBN 0 201 35109 9 Chapter 1	The following references are more recent publications that specifically cover information systems.

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	Laudon, K C & Laudon, J P, <i>Management Information Systems: New Approaches to Organization and Technology</i> , 5 th Edition, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Chapter 1	
	Beekman, G, <i>Computer Confluence: Exploring Tomorrows Technology</i> , 3 rd edn, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3 Chapters 1 and 3	This book is suitable as a student reference.
	Nickerson, R C, <i>Business and Information Systems</i> , Addison-Wesley, USA, 1998 ISBN 0 321 01378 6 Chapters 1 and 3	This book is suitable as a student reference.
	O'Brien, J A, <i>Introduction to Information Systems: A Internetworkd Enterprise Perspective</i> , 2 nd alternate edition, McGraw Hill, USA, 1998 ISBN 0 256 25196 7	
	Oz, E, <i>Management Information Systems</i> , Course Technology (available in Australia through Nelson), USA, 1998 (new edition 2000) ISBN 0 7600 4946 7	
	Stair, R, M, & Reynolds, G, W, <i>Principles of Information Systems</i> , 4 th Edition, Course Technology, USA, 1999 ISBN 0 7600 1079 X	
	Zwass, V, <i>Foundations of Information Systems</i> , McGraw-Hill, USA, 1998 ISBN 0 679 13312 5	

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Content	Resource	Comment
Information processes Page 15	Baker, M & Frost, N, <i>New Senior Computing Studies: The Preliminary Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70032 4	This text discusses using applications — how data is used within the applications.
	Laudon, K C & Laudon, J P, <i>Management Information Systems: New Approaches to Organization and Technology</i> , 5 th edn, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Chapter 2	
The nature of data and information Page 16	Baker, M & Frost, N, <i>New Senior Computing Studies: The Preliminary Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70032 4	The Baker and Frost Preliminary Course refers to numbers and media types. The Baker and Frost HSC course covers data representation. DVD is not mentioned in any current literature.
	Baker, M & Frost, N, <i>New Senior Computing Studies: The HSC Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70033 2	
	Boyd, G S & Scott, I, <i>HSC General</i> , Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6	
	Chivers, B, Lawrence, E, Ware, P, Regan, N, et al, <i>2/3 Unit (Common) HSC Course</i> , Jacaranda Press, Sydney, 1995 ISBN 0 7016 3265 8	
Classification of systems Page 16	Nickerson, R C, <i>Business and Information Systems</i> , Addison- Wesley, USA, 1998 ISBN 0-321-01378-6 Chapters 8 and 9	
Social and ethical issues Page 16	Baker, M & Frost, N, <i>New Senior Computing Studies: The Preliminary Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70032 4	All books listed cover this area, providing relevant material within chapters, or whole chapters devoted to the topic.

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	<p>Laudon, K C & Laudon, J P, <i>Management Information Systems: New Approaches to Organization and Technology</i>, 5th edn, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Chapters 5 and 17</p>	
	<p>Mason, R O, Mason, F M & Culnan, M J, <i>Ethics of Information Management</i>, Sage Publications, USA, 1995 ISBN 0 8039 5755 6</p>	
	<p>Zwass, V, <i>Foundations of Information Systems</i>, McGraw-Hill, USA, 1998 ISBN 0 679 13312 5 Chapter 17</p>	
	<p>Boyd, G S, <i>HSC Preliminary</i>, Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 16584 4</p>	
	<p>Morten, R, <i>Computing Studies, Preliminary</i>, Thomas Nelson, Melbourne, 1994 ISBN 0 17 009043 4</p>	
	<p>Chivers, B, Lawrence, E, Ware, P, Regan, N et al, <i>2/3 Unit (Common) HSC Course</i>, Jacaranda Press, Sydney, 1995 ISBN 0 7016 3265 8</p>	

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<p>8.2 Tools for Information Processes</p>		
<p>Collecting Page 19 Organising Page 20 Analysing Page 21 Storing & retrieving Page 21 Processing Page 22 Transmitting and receiving Page 23 Displaying Page 24</p>	<p>Morten, R, <i>Computing Studies, Preliminary</i>, Thomas Nelson, Melbourne, 1994 ISBN 0 17 009043 4</p>	<p>All Preliminary texts have applications for software usage. Each of the Senior Books also has applications software usage and details. They have good information but it requires more up-to-date information such as DVD and the Internet etc.</p> <p>The listed texts have information on dealing with different hardware devices and show different information within Graphics and Multimedia.</p>
	<p>Boyd, G S, <i>HSC Preliminary</i>, Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 16584 4</p>	
	<p>Baker, M & Frost, N, <i>New Senior Computing Studies: The Preliminary Course</i>, McGraw Hill, Sydney, 1994 ISBN 0 074 70032 4</p>	

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Content	Resource	Comment
	Chivers, B, Lawrence, E, Ware, P, Regan, N et al, <i>2/3 Unit (Common) HSC Course</i> , Jacaranda Press, Sydney, 1995 ISBN 0 7016 3265 8	
	Laudon, K C & Laudon, J P, <i>Management Information Systems: New Approaches to Organization and Technology</i> , 5 th edn, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Chapters 7 and 8	
	Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3 Unit (Common) HSC</i> , Heinemann, 1995 ISBN 0858596377	
	Cotterell, M & Hughes, B, <i>Software Project Management</i> , International Thomson Press, London, 1995 ISBN 1 850 32190 6	
8.3 Planning, Design and Implementation		
Understand the problem to be solved Page 27 Making decisions Page 27 Designing solutions Page 27	Baker, M & Frost, N, <i>New Senior Computing Studies: The Preliminary Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70032 4	All references given are either computer-based systems solutions or solving problems.
Implementing Page 28 Testing, evaluating and maintaining Page 28 Social and ethical issues Page 28	Baker, M & Frost, N, <i>New Senior Computing Studies: The HSC Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70033 2	

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	<p>Boyd, G S, <i>HSC Preliminary</i>, Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 16584 4</p>	
	<p>Morten, R, <i>Computing Studies</i>, <i>Preliminary</i>, Thomas Nelson, Melbourne, 1994 ISBN 0 17 009043 4</p>	
	<p>Boyd, G S, <i>Computing Studies 2 Unit HSC</i> <i>Course</i>, Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 18932 8</p>	
	<p>Attwood, J, Morten, R, Deeley, R & Schwarz, S, <i>HSC Common</i>, Thomas Nelson, Melbourne, 1996 ISBN 0 17 009067 1</p>	
	<p>Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3</i> <i>Unit (Common) HSC</i>, Heinemann, 1995 ISBN 0858596377</p>	
	<p>Dale, C & Hopkinson, C, <i>Information Systems, Structure</i> <i>& Design</i>, VCTA Publishing Pty Ltd, Collingwood, 1994, Out of Print ISBN 086859 430 X</p>	
	<p>Laudon, K C & Laudon, J P, <i>Management Information</i> <i>Systems: New Approaches to</i> <i>Organization and Technology</i>, 5th edn, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Chapter 4</p>	
	<p>Nickerson, R C, <i>Business and</i> <i>Information Systems</i>, Addison- Wesley, USA, 1998 ISBN 0 321 01378 6 Chapters 13 and 14</p>	

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	Alter, S, <i>Information Systems: A Management Perspective</i> , 3 rd edn, Addison Wesley, USA, 1999 ISBN 0 201 35109 9 Chapters 3 and 11	
	Beekman, G, <i>Computer Confluence: Exploring Tomorrows Technology</i> , 3 rd edn, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3 Chapter 12	
	Zwass, V <i>Foundations of Information Systems</i> , McGraw-Hill, USA, 1998 ISBN 0 679 13312 5 Chapters 15 and 16	
	Stair, R M & Reynolds, G W, <i>Principles of Information Systems</i> , 4 th edn, Course Technology, USA, 1999 ISBN 0 7600 1079 X Chapters 12 and 13	
	Oz, E, <i>Management Information Systems</i> , Course Technology (available in Australia through Nelson), USA, 1998 (new edition 2000) ISBN 0 7600 4946 7 Chapters 14, 15 and 16	
	O'Brien, J A, <i>Introduction to Information Systems: A Internetworkd Enterprise Perspective</i> , 2 nd alternate edition, McGraw Hill, USA, 1998 ISBN 0 256 25196 7 Chapter 11	
8.4 Personal and group systems and projects		
Personal information systems Page 30	Boyd, G S, <i>HSC Preliminary</i> , Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 16584 4	These references give some general assistance, however more would be needed for a more in-depth discussion.
	Morten, R, <i>Computing Studies, Preliminary</i> , Thomas Nelson, Melbourne, 1994 ISBN 0 17 009043 4	

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	Baker, M & Frost, N, <i>New Senior Computing Studies: The Preliminary Course</i> , McGraw Hill, Sydney, 1994 ISBN 0 074 70032 4	
	Nickerson, R C, <i>Business and Information Systems</i> , Addison- Wesley, USA, 1998 ISBN 0 321 01378 6 Chapter 8	
	Zwass, V, <i>Foundations of Information Systems</i> , McGraw- Hill, USA, 1998 ISBN 0 679 13312 5 Chapter 8	
	Boyd, G S & Scott, I, <i>HSC General</i> , Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6	
	Dale, C & Hopkinson, C, <i>Information Systems, Structure & Design</i> , VCTA Publishing Pty Ltd, Collingwood, 1994, Out of Print ISBN 086859 430 X	
Group information systems Page 30	Kerr, J & Byrt, P, <i>Information Technology: a case study approach</i> , 2 nd edn, Port Melbourne, Rigby Heinemann, 1995 ISBN 0 858 597 411	
	Clancy, H, Kelly, D & Walker, D, <i>Infotech 2000</i> , 2nd edn., Addison Wesley Longman, 1996 ISBN 0582 80 830 8	
	Nickerson, R C, <i>Business and Information Systems</i> , Addison- Wesley, USA, 1998 ISBN 0 321 01378 6 Chapter 9	
	Zwass, V, <i>Foundations of Information Systems</i> , McGraw- Hill, USA, 1998 ISBN 0 679 13312 5 Chapter 8	

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	<p>Laudon, K C, & Laudon, J P, <i>Management Information Systems: New Approaches to Organization and Technology</i>, 5th edn, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Ends of chapters</p>	
9.1 Project Work		
<p>Understanding the problem Page 33</p>	<p>Fowler, A, Senior Computing Studies, 3 <i>Unit Additional</i>, Rugby Heinemann, Port Melbourne, 1996 ISBN 0 85 859834 5</p>	
	<p>Boyd, G S & Scott, I, <i>HSC General</i>, Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6</p>	
	<p>Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3</i> <i>Unit (Common) HSC</i>, Heinemann, 1995 ISBN 0858596377</p>	

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Content	Resource	Comment
	Cotterell, M & Hughes, B, <i>Software Project Management</i> , International Thomson Press, London, 1995 ISBN 1 850 32190 6	
Making decisions Page 33	Attwood, J, Morten, R, Deeley, R & Schwarz, S, <i>HSC Common</i> , Thomas Nelson, Melbourne, 1996 ISBN 0 17 009067 1	
	Boyd, G S & Scott, I, <i>HSC General</i> , Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6	
Designing solutions Page 34	Fowler, A, <i>Senior Computing Studies, 3 Unit Additional</i> , Rugby Heinemann, Port Melbourne, 1996 ISBN 0 85 859834 5	These references discuss prototyping and related topics.
	Chivers, B, Lawrence, E, Ware, P, Regan, N et al, <i>2/3 Unit (Common) HSC Course</i> , 1995 Jacaranda Press, Sydney, ISBN 0 7016 3265 8	
	Preece, J (ed), <i>A Guide to Usability: Human Factors in Computing</i> , Addison – Wesley, California, 1993 ISBN 0 201 62768 X	
	Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3 Unit (Common) HSC</i> , Heinemann, 1995 ISBN 0858596377	

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Content	Resource	Comment
Implementing Page 34	All Common	All Common texts refer to implementation and testing stage in the system development cycle. Explanation of conversion methods is also given.
Testing, evaluating and maintaining Page 34	All Common	All Common texts refer to operation and evaluation stage of the system development cycle.
Project management Page 33	Kerr, J & Byrt, P, <i>Information Technology: a case study approach</i> , 2 nd edn, Port Melbourne, Rigby Heinemann, 1995 ISBN 0 858 597 411	These references may be of use for case studies or project work.
	Szymanski, Robert A et al, <i>Introduction to Computers and Information Systems</i> , Merrill, Out of Print. ASIN: 0675212723	
	Szymanski, Robert A et al, <i>Computers and Information Systems</i> , Prentice Hall, 1995 ISBN 0 024 187 674	
	Clancy, H, Kelly, D & Walker, D, <i>Infotech 2000</i> , 2nd edn., Addison Wesley Longman, 1996 ISBN 0582 80 830 8	
	Capron, H L, <i>Computers: Tools for an Information Age</i> , 4th edn, Addison Wesley Longman, 1996 ISBN 0 805 306 625	
	Fowler, A, Senior Computing Studies, 3 Unit Additional, Rugby Heinemann, Port Melbourne, 1996 ISBN 0 85 859834 5	

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Content	Resource	Comment
Social and ethical design Page 33	Boyd, G S & Scott, I, <i>HSC General</i> , Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6	The information available can be covered in the Preliminary references as listed above.
9.2 Information Systems and Databases Page 35		
	Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3 Unit (Common) HSC</i> , Heinemann, 1995 ISBN 0858596377	
	McFadden, F R, Hoffer, J A & Prescott, M B <i>Modern Database Management</i> , 5 th edn, Addison-Wesley Longman, USA, 1999 ISBN 0 8053 6054 9	
	Rob, P & Coronel, C, <i>Database Systems: Design, Implementation and Management</i> , 3 rd edn, Course Technology (available in Australia through Nelson), USA, 1997 ISBN 0 7600 4904 1	
	Nickerson, R C, <i>Business and Information Systems</i> , Addison-Wesley, USA, 1998 ISBN 0 321 01378 6 Chapters 1 and 3	
	Alter, S, <i>Information Systems: A Management Perspective</i> , 3 rd edn, Addison Wesley, USA, 1999 ISBN 0 201 35109 9 Chapter 4	
	Beekman, G, <i>Computer Confluence: Exploring Tomorrows Technology</i> , 3 rd edn, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3 Chapters 1 and 3	
	Oz, E, <i>Management Information Systems</i> , Course Technology (available in Australia through Nelson), USA, 1998 (new edition 2000) ISBN 0 7600 4946 7 Chapter 7	

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	Laudon, K C & Laudon, J P, <i>Management Information Systems: New Approaches to Organization and Technology</i> , 5 th edn, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Chapter 9	
Information systems Page 35	Summers, G, <i>Developing Databases with Access</i> , Nelson ITP, 1998 ISBN 0 170 094 081	These texts refer to data rather than information processes or systems.
	Glynn, N & Dixon, S, <i>Designing Databases</i> , McGraw-Hill, Sydney, 1997 ISBN 0 074 705 113	
Examples of database information Page 36	Boyd, G S & Scott, I, <i>HSC General</i> , Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6	Boyd (HSC Common) gives information on database systems and multimedia. All textbooks for the common course have database design and multimedia covered in this content area but they do not refer to HTML references as these did not appear until after the previous syllabus was written.
	Boyd, G S, <i>Computing Studies 2 Unit HSC Course</i> , Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 18932 8	
	Attwood, J, Morten, R, Deeley, R & Schwarz, S, <i>HSC Common</i> , Thomas Nelson, Melbourne, 1996 ISBN 0 17 009067 1	
	Zwass, V, <i>Foundations of Information Systems</i> , McGraw-Hill, USA, 1998 ISBN 0 679 13312 5 Chapter 6	
Organisation methods Page 36	Glynn, N & Dixon, S, <i>Designing Databases</i> , McGraw-Hill, Sydney, 1997 ISBN 0 074 705 113	
	Boyd, G S & Scott, I, <i>HSC General</i> , Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6	

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	McFadden, F R, Hoffer, J A & Prescott, M B <i>Modern Database Management</i> , 5 th edn, Addison-Wesley Longman, USA, 1999 ISBN 0 8053 6054 9	Good reference for ER modelling and normalisation.
	Rob, P & Coronel, C <i>Database Systems: Design, Implementation and Management</i> , 3 rd edn, Course Technology (available in Australia through Nelson), USA, 1997 ISBN 0 7600 4904 1	Good reference for ER modelling and normalisation.
Storing and retrieval Page 37	Boyd, G S, <i>Computing Studies 2 Unit HSC Course</i> , Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 18932 8	
	Attwood, J, Morten, R, Deeley, R & Schwarz, S, <i>HSC Common</i> , Thomas Nelson, Melbourne, 1996 ISBN 0 17 009067 1	
	McFadden, F R, Hoffer, J A & Prescott, M B <i>Modern Database Management</i> , 5 th edn, Addison-Wesley Longman, USA, 1999 ISBN 0 8053 6054 9	
	Rob, P & Coronel, C <i>Database Systems: Design, Implementation and Management</i> , 3 rd edn, Course Technology (available in Australia through Nelson), USA, 1997 ISBN 0 7600 4904 1	

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Content	Resource	Comment
Other information processes for database information systems Page 38	Capron, H L, <i>Essentials of Computing, 3rd edn</i> , Benjamin Cummings, California, 1997 ISBN 0 8053 1380 X	This would be achieved through practical work as using a database requires an understanding of how to make a report to be generated. This information is given, but not in depth, in all HSC Common texts.
Issues related to information systems and databases Page 38	Mason, RO, Mason, F M & Culnan, M J <i>Ethics of Information Management</i> , Sage Publications, USA, 1995	This information is covered under social and ethical issues.
9.3 Communication systems Page 39		
Characteristics of communication systems Page 39	Boyd, G S, <i>Computing Studies 2 Unit HSC Course</i> , Cockatoo Computing Services, Sydney, 1994 ISBN 0 646 18932 8	Most general texts provide a basic overview of this topic.
	<p>Boyd, G S & Scott, I, <i>HSC General</i>, Cockatoo Computing Services, Sydney, 1995 ISBN 0 646 22903 6</p> <p>Attwood, J, Morten, R, Deeley, R & Schwarz, S, <i>HSC Common</i>, Thomas Nelson, Melbourne, 1996 ISBN 0 17 009067 1</p> <p>Baker, M & Frost, N, <i>New Senior Computing Studies: The HSC Course</i>, McGraw Hill, Sydney, 1994 ISBN 0 074 70033 2</p> <p>Kerr, J & Byrt, P, <i>Information Technology: a case study approach</i>, 2nd edn, Port Melbourne, Rigby Heinemann, 1995 ISBN 0 858 597 411</p> <p>Clancy, H, Kelly, D & Walker, D, <i>Infotech 2000</i>, 2nd edn,, Longman, 1996 ISBN 0582 80 830 8</p>	

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Content	Resource	Comment
	Szymanski, Robert A et al, <i>Introduction to Computers and Information Systems</i> , Merrill, Out of Print. ASIN: 0675212723	
	Szymanski, Robert A et al, <i>Computers and Information Systems</i> , Prentice Hall, 1995 ISBN 0 024 187 674	
	Capron, H L, <i>Computers: Tools for an Information Age</i> , 4 th edn, Addison Wesley Longman, 1996 ISBN 0 805 306 625	
	Nickerson, R C <i>Business and Information Systems</i> , Addison-Wesley, USA, 1998 ISBN 0 321 01378 6 Chapters 6 and 9	
	Laudon, K C & Laudon, J P <i>Management Information Systems: New Approaches to Organization and Technology</i> , 5 th edn, Prentice-Hall, USA, 1998 ISBN 0 13 857723 4 Chapters 9, 10 and 18	
	Alter, S, <i>Information Systems: A Management Perspective</i> , 3 rd edn, Addison Wesley, USA, 1999 ISBN 0 201 35109 9 Chapters 5 and 10	
	Beekman, G <i>Computer Confluence: Exploring Tomorrows Technology</i> , 3 rd edn, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3 Chapters 9 and 10	
	Zwass, V, <i>Foundations of Information Systems</i> , McGraw-Hill, USA, 1998 ISBN 0 679 13312 5	
	Oz, E, <i>Management Information Systems</i> , Course Technology (available in Australia through Nelson), USA, 1998 (new edition 2000) ISBN 0 7600 4946 7 Chapters 5 and 6	

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	Zwass, V, <i>Foundations of Information Systems</i> , McGraw-Hill, USA, 1998 ISBN 0 679 13312 5 Chapter 7	
Examples of communication systems Page 40	All Texts	
Transmitting and receiving in communication systems Page 40	All Texts	This topic receives extensive coverage in all relevant textbooks.
Other information processes in communication systems Page 41	Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3 Unit (Common) HSC</i> , Heinemann, 1995 ISBN 0858596377	General information is provided in the listed texts but they lack substantial detail.
Issues related to communication systems Page 42	All Texts	This topic is given some exposure in most texts but not in depth.
	Mason, R O, Mason, F M & Culnan, M J <i>Ethics of Information Management</i> , Sage Publications, USA, 1995 ISBN 0 8039 5755 6	
9.4.1 Option 1 Transaction Processing Systems Page 44	Attwood, J, Morten, R, Deeley, R & Schwarz, S, <i>HSC Common</i> , Thomas Nelson, Melbourne, 1996 ISBN 0 17 009067 1	These texts provide some information although it is not substantial. Reference is made to communication systems (batch processing).
	Sharkey, G & Chopping, E, <i>Senior Computing Studies 2/3 Unit (Common) HSC</i> , Heinemann, 1995 ISBN 0858596377	

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Content	Resource	Comment
	<p>Capron, H L, <i>Essentials of Computing, 3rd edn</i>, Benjamin Cummings, California, 1997 ISBN 0 8053 1380 X</p>	
	<p>Nickerson, R C <i>Business and Information Systems</i>, Addison-Wesley, USA, 1998 ISBN 0 321 01378 6 Chapters 2(pp 43-53) and 10</p>	
	<p>Alter, S, <i>Information Systems: A Management Perspective, 3rd Edition</i>, Addison Wesley, USA, 1999 ISBN 0 201 35109 9 Chapter 7</p>	
	<p>Stair, R M & Reynolds, G W <i>Principles of Information Systems, 4th edn</i>, Course Technology, USA, 1999 ISBN 0 7600 1079 X Chapter 8</p>	
	<p>Zwass, V, <i>Foundations of Information Systems</i>, McGraw-Hill, USA, 1998 ISBN 0 679 13312 5 Chapter 9</p>	
	<p>Beekman, G, <i>Computer Confluence: Exploring Tomorrows Technology, 3rd Edition</i>, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3 Chapter 6</p>	
	<p>O'Brien, J A, <i>Introduction to Information Systems: A Internetworkd Enterprise Perspective, 2nd alternate edition</i>, McGraw Hill, USA, 1998 ISBN 0 256 25196 7 Pages 330-340</p>	
<p>9.4.2 Option 2 Decision Support Systems Page 48</p>		
	<p>Kerr, J & Byrt, P, <i>Information Technology: a case study approach, 2nd edn</i>, Port Melbourne, Rigby Heinemann, 1995 ISBN 0 858 597 411</p>	<p>These texts provide information on the existing Option 1 (Artificial Intelligence and Expert Systems). All HSC texts cover this topic to some degree. Using databases (relational) and spreadsheets (look up) are also covered.</p>

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	Szymanski, Robert A et al, <i>Introduction to Computers and Information Systems</i> , Merrill, Out of Print. ASIN: 0675212723	
	Szymanski, Robert A et al, <i>Computers and Information Systems</i> , Prentice Hall, 1995 ISBN 0 024 187 674	
	Capron, HL, <i>Computers: Tools for an Information Age</i> , 4th edn, Addison Wesley Longman, 1996 ISBN 0 805 306 625	
	Nickerson, R C, <i>Business and Information Systems</i> , Addison-Wesley, USA, 1998 ISBN 0 321 01378 6 Chapter 11	
	McLeod, R Jr, <i>Management Informations Systems</i> , 7 th edn, Prentice-Hall, USA, 1998 ISBN 0 13 896101 8 Chapters 13, 14, 16, 17 and 18	
	Oz, E, <i>Management Information Systems</i> , Course Technology (available in Australia through Nelson), USA, 1998 (new edition 2000) ISBN 0 7600 4946 7 Chapters 8, 12 and 13	
	Beekman, G, <i>Computer Confluence: Exploring Tomorrows Technology</i> , 3 rd edn, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3 Chapter 13	
	Stair, R M & Reynolds, G W, <i>Principles of Information Systems</i> , 4 th edn, Course Technology, USA, 1999 ISBN 0 7600 1079 X Chapters 9, 10 and 11	
	Zwass, V, <i>Foundations of Information Systems</i> , McGraw-Hill, USA, 1998 ISBN 0 679 1331 5 Chapter 10 and 11	

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<p>9.4.3 Option 3 Automated Manufacturing Systems Page 52</p>		
	<p>All Common texts</p>	<p>These texts refer to AI and Control Systems Option Topics from existing HSC course.</p>
	<p>Capron, H L, <i>Essentials of Computing, 3rd edn</i>, Benjamin Cummings, California, 1997 ISBN 0 8053 1380 X</p>	
	<p>McLeod, R, Jr. <i>Management Informations Systems, 7th Edition</i>, Prentice-Hall, USA, 1998 ISBN 0 13 896101 8 Chapters 13, 14, 16, 17 and 18</p>	
	<p>Oz, E. <i>Management Information Systems</i>, Course Technology (available in Australia through Nelson), USA, 1998 (new edition 2000) ISBN 0 7600 4946 7 Chapters 8, 12 and 13</p>	
	<p>Beekman, G. <i>Computer Confluence: Exploring Tomorrows Technology, 3rd Edition</i>, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3 Chapter 13</p>	
	<p>Alter, S. <i>Information Systems: A Management Perspective, 3rd Edition</i>, Addison Wesley, USA, 1999 ISBN 0 201 35109 9 Chapter 17</p>	
	<p>Zwass, V. <i>Foundations of Information Systems</i>, McGraw-Hill, USA, 1998 ISBN 0 679 13312 5 Chapter 10 and 11</p>	
	<p>Kerr, J & Byrt, P, <i>Information Technology: a case study approach, 2nd edn</i>, Port Melbourne, Rigby Heinemann, 1995 ISBN 0 858 597 411</p>	

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	Szymanski, Robert A et al, <i>Introduction to Computers and Information Systems</i> , Merrill, Out of Print. ASIN: 0675212723	
	Szymanski, Robert A et al, <i>Computers and Information Systems</i> , Prentice Hall, 1995 ISBN 0 024 187 674	
	Capron, H L, <i>Computers: Tools for an Information Age</i> , 4 th edn, Addison Wesley Longman, 1996 ISBN 0 805 306 625	
9.4.4 Option 4 Multimedia Systems Page 56	All Common texts	All HSC Common course books would be able to cover most this option topic. The other extension would be needed in new technologies that have just appeared such as DVD.
	Apple Computer Inc, <i>Multimedia Demystified: A Guide to the World of Multimedia from Apple Computer</i> , Random House, USA and Canada simultaneously, 1994 ISBN 0 679 75603 5	Although this reference is sponsored by Apple Computer Inc. it contains information that covers principles and is not platform specific.
	Tannenbaum, R S, <i>Theoretical Foundations of Multimedia</i> , Computer Science Press (Freeman), USA, 1998 ISBN 0 7167 8321 5	
	Beekman, G, <i>Computer Confluence: Exploring Tomorrows Technology</i> , 3 rd edn, Addison-Wesley Longman, USA, 1999 ISBN 0 201 35213 3	Chapter 7

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Websites		
Miscellaneous		
NSW HSC On-Line – Computing Studies	http://hsc.csu.edu.au/compstud/	
Issues		
UNESCO Observatory on the Information Society	http://www.unesco.org/webworld/observatory/index.html	This website aims 'to raise awareness on the ethical, legal, and societal challenges brought about by new [information and communication] technologies.'
CPSR Home Page	http://www.cpsr.org/	The home page of Computer Professionals for Social Responsibility.
Privacy International Home Page	http://www.privacy.org/pi/	Addresses issues such as telephone tapping, ID card systems, video surveillance, data matching, police information systems, and medical records
Electronic Frontiers Australia	http://www.efa.org.au/	This site covers issues such as privacy, censorship and encryption.
General IPT resources*		
Stair/Reynolds - Principles of Information Systems Third Edition	http://www.course.com/sites/stair/	This site accompanies the text and provides supplementary material for those who have purchased the book.
Beekman - Computer Confluence	http://www.computerconfluence.com/index.html	This site accompanies the text and provides supplementary material for those who have purchased the book.
Alter - Information Systems Third Edition	http://hepg.awl.com/alter/infosys3e/student/index.html	This site accompanies the text and provides supplementary material for those who have purchased the book.
Laudon - Information Systems	http://www.prenhall.com/laudon	This site accompanies the text and provides supplementary material for those who have purchased the book.
IT - support for SA syllabus	http://www.schools.ash.org.au/schools/olshc/infotech/itstud.htm	This site provides support for SA Information Technology course.
Industry IT from WA	http://malt.ed.ac.cowan.edu.au/IndustryIT/	This site provides WA Industry IT course support materials and some ideas for projects and case studies.

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IPT - QLD course support © PRW 1999	http://wonkosite.ausbone.net/cybertext/ipt.htm	A QLD site providing support for QLD IT course but with plenty of relevant ideas for IPT.
Dictionaries and reference		
Yahoo! Computers and Internet	http://dir.yahoo.com/Computers_and_Internet/	
Free Online Dictionary of Computing	http://nightflight.com/foldoc/	
Webopedia home page	http://www.webopaedia.com/	
Virtual Library: Computer Science	http://vlib.org/Computing.html	
The Language List	http://cuiwww.unige.ch/langlist	This site provides a comprehensive list of computer languages – see the introduction and appendix for useful related information.
History		
Welcome to The Computer Museum	http://www.net.org/	
The Virtual Museum of Computing	http://www.comlab.ox.ac.uk/archive/other/museums/computing.html	
News and Information sites		
InfoWorld Electric Page One	http://www.infoworld.com/	
The New York Times Site Index	http://www.nytimes.com/info/contents/siteindex.html	
CNN Interactive	http://www.cnn.com/	This site includes detail and links to SCI-TECH, computing, personal technologies and Flashback – the history of computing.
PBS Technology: Bringing Technology, Computers, and Humans Together	http://www.pbs.org/technology/	The US Public Broadcast Service – updated regularly with accessible archives.
NewsHour Online: Cyberspace	http://www.pbs.org/newshour/bb/cyberspace/cyberspace.html	The US Public Broadcast Service – updated regularly with accessible archives.
Wired News	http://www.wired.com/news/	The frequently updated technology section is particularly useful. Archives are available.
IT NEWS	http://www.it.fairfax.com.au/	
ICON	http://www.smh.com.au/icon/	

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ABC News	http://www.abc.net.au/news/	This site also has a technology news link.
Background Briefing - Subject Index for Information Technology	http://www.abc.net.au/rn/talks/bbing/index/	The Radio National Background Briefing index contains excellent, in-depth reports on many issues dealing with the Internet, computers and technology generally.
The Australian	http://www.theaustralian.com.au	This site also has a technology news link.
HOT Technology Sites	http://www.nexus.edu.au/teachstud/technology/h_sites.htm	This site provides a comprehensive index of information technology sites.
Education Network Australia	http://www.edna.edu.au/EdNA/	This site has links to school education and an online resource centre.
Information Age online	http://www2.idg.com.au/infoage1.nsf	ACS e-publications on line.
ComputerWorld Australia	http://computerworld.idg.com.au/	
Programming*		
Byte	http://www.byte.com/	This site has a number of print archives on line by topic.
American Computer Science League	http://www.acsl.org/	Links of particular interest at this site include programming competition questions.
Case material		
The Rapidly Changing Face of Computing Technology Journal	http://www.digital.com/rcfoc/	
Engineering Arts Home Page	http://www.engineeringarts.com/	This site carries details of graphics and multimedia applications.
CSIRO Australia	http://www.csiro.au/	
Information Technology and Telecommunications Sector	http://www.csiro.au/csiro/structure/ittel.htm	

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Content	Resource	Comment
Government Information Technology Services	http://www.gits.gov/	
The Institute for Information Technology - National Research Council Canada	http://ai.iit.nrc.ca/english.html	
Telstra Corporation: Education Development Unit	http://www.telstra.com.au/prod-ser/educdoes/	