



Suzhou Singapore International School
MYP Scope and Sequence

Technology

2009 – 2010 v1.0 – December 2009

Last Updated:

18th December 2009

Technology

Design Tech. (G6 – G10)



SSIS Scope and Sequence

Grade 6 MYP Design Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

→ End of semester varies dependent upon Chinese New Year – Units may need to be moved accordingly

month week	Aug	September				October				November				December				January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
12 Week ROTATION	*Intro to MYP Technology	Design and create a model of an apartment				Design and create a model of an apartment				Design and create a model of an apartment										
	*Explain Criteria	Investigate				Design Practical				Plan Practical				Evaluate						
	General Expectations																			

month week	February			March			April				May				June												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19								
16 Week ROTATION	Intro to MYP Technology			Design and create a model of an apartment			Design and create a model of an apartment				Design and create a model of an apartment				Design and create a safety poster												
	*Explain Criteria			Investigate			Design Practical				Plan Practical				Evaluate				Design and Create Practical								
	General Expectations																										

Grade 6 MYP Design Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Unit Title Where do we live?	C,D	MYP Area of Interaction or ToK Link	Unit Question Content How does where we live influence how we live? The Design process Knowledge Design process Measurement Correct use of equipment Skills Investigate, design, plan, create and evaluate.	MYP Technology assessment criteria A – Investigate B – Design C – Plan D – Create E – Evaluate F – Attitudes in Technology



SSIS Scope and Sequence

Grade 7 Design Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

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month week	Aug	September				October				November				December				January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
12 Week ROTATION	*Intro to MYP Technology	Design and create a geometric shape themed mobile.				Design and create a geometric shape themed mobile.				Design and create a geometric shape themed mobile.										
	*Explain Criteria																			
	General Expectations	Investigate				Design				Plan				Evaluate						
						Practical				Practical										

month week	February			March			April				May				June												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19								
16 Week ROTATION	*Intro to MYP Technology			Design and create a geometric shape themed mobile.			Design and create a geometric shape themed mobile.				Design and create a geometric shape themed mobile.				Design and create a creative piece that has a function.												
	*Explain Criteria																										
	General Expectations			Investigate			Design				Plan				Evaluate				Design & Create								
							Practical				Practical				Practical				Practical								

Grade 7 MYP Design Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Unit Title Geometric Mobiles	C,D	MYP Area of Interaction or ToK Link	Unit Question Content Can something creative also be functional? The Design process Knowledge Design process Correct use of equipment Skills Investigate, design, plan, create, evaluate.	MYP Technology assessment criteria A – Investigate B – Design C – Plan D – Create E – Evaluate F – Attitudes in Technology



SSIS Scope and Sequence

Grade 8 MYP Design Technology



Overview

- Averaging 19 weeks per semester (38 weeks per year)
- End of semester varies dependent upon Chinese New Year – Units may need to be moved accordingly

month week	Aug		September			October				November				December			January			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
12 Week ROTATION	*Intro to MYP Technology		Design and create a locker mirror.			Design and create a locker mirror.		Design and create a locker mirror.		Design and create a locker mirror.		Design and create a locker mirror.								
	*Explain Criteria		Investigate			Design		Plan		Create		Evaluate								
	General Expectations					Practical		Practical		Practical										

month week	February			March			April				May			June					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
16 Week ROTATION	*Intro to MYP Technology			Design and create a locker mirror.			Design and create a locker mirror.		Design and create a locker mirror.		Design and create a locker mirror.		Design and create a locker mirror.		Design and create a locker mirror.				
	*Explain Criteria			Investigate			Design		Plan		Create		Evaluate		Design & Create		Design & Create		
	General Expectations						Practical		Practical		Practical		Practical		Practical				

Grade 8 MYP Design Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Unit Title Mirror, Mirror on the Wall	C,D	MYP Area of Interaction or ToK Link	Unit Question Content Are we as designers restricted in what we design? How do we meet design specifications without restricting creativity? Basic procedures and safety in the Design Tech room The Design process Knowledge Design process Measurement Correct use of equipment Skills Investigate, design, plan, create, evaluate.	MYP Technology assessment criteria A – Investigate B – Design C – Plan D – Create E – Evaluate F – Attitudes in Technology



SSIS Scope and Sequence

Grade 9 MYP Design Technology



Overview

- Averaging 19 weeks per semester (38 weeks per year)
- End of semester varies dependent upon Chinese New Year – Units may need to be moved accordingly

month week	Aug	September				October				November				December				January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
12 Week ROTATION	Review Criteria & General Expectations	A place for Everything.				A place for Everything.				A place for Everything.				A place for Everything.						
	A place for Everything. Investigate	Design				Plan Practical				Create Practical				Evaluate						

month week	February			March			April				May				June				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
16 Week ROTATION	Review Criteria & General Expectations	A place for Everything.			A place for Everything.			A place for Everything.				A place for Everything.				A place for Everything.			
	A place for Everything. Investigate	Design			Design Practical			Plan Practical				Create Practical				Evaluate			

Grade 9 MYP Design Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
<p>Unit Title A place for Everything</p>	<p>B, C, D</p>	<p>MYP Area of Interaction or ToK Link</p>	<p>Unit Question Content How can we best meet the needs of our school community?</p> <p>Basic procedures and safety in the Design Technology lab. The Design Cycle</p> <p>Knowledge Design process Measurement Correct use of equipment</p> <p>Skills Investigate, Design, Plan, Create, Evaluate.</p>	<p>MYP Technology assessment criteria</p> <p>A – Investigate B – Design C – Plan D – Create E – Evaluate F – Attitudes in Technology</p>



SSIS Scope and Sequence

Grade 10 MYP Design Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

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month week	Aug	September				October				November				December			January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 1	Capture My Culture 10 weeks										Designing from influences 9 weeks								

month week	February			March				April				May				June			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 2	Designing for a client 19 weeks																		

Grade 10 MYP Design Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Capture My culture	B,C and D	Community and Service	<p>Concepts The design process.</p> <p>Content Making others aware of the characteristics of my culture.</p> <p>Skills Use of equipment and methods of construction.</p>	Complete project assessing all criteria
Designing from Influences	A,B,C and D		<p>Concepts The design process.</p> <p>Content How previous designs and designers influence the development of new designs.</p> <p>Skills Use of equipment and methods of construction</p>	Complete project assessing all criteria
Designing for for a client	A,B,C and D		<p>Concepts The design process</p> <p>Content Identifying and meeting the needs of a specified client.</p> <p>Skills Use of equipment and methods of construction.</p>	Complete project assessing all criteria

Technology

Computer Tech. (G6 – G10)



SSIS Scope and Sequence

G6 MYP Computer Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

→ End of semester varies dependent upon Chinese New Year – Units may need to be moved accordingly

month week	Aug	September				October				November				December			January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 1	Orientation/Photos/Logins/Printers/Serve	Digital Presentation Beginner 3 Weeks			CAMP	Moon Festival	Digital Audio Beginner/Inter 3 Weeks			Digital Photo Beginner/Inter 3 Weeks			Web Authoring Beginner 7 Weeks						

month week	February			March			April					May				June			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 2	Chinese New Year															MYP Exams			

Grade 6 MYP Computer Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Digital Presentations Beginner	A, C and D	Environments	<p>Unit Question(s)</p> <ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a general understanding of digital presentation software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing all criteria
Digital Audio Beginner/Inter	B, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle and the process of recording and editing digital audio files so they are appealing to a target audience. 2. Essential knowledge required to successfully complete assessments is a general understanding of digital audio recording and editing software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing all criteria
Digital Photo Beginner/Inter	B, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle and the process taking a quality digital still image and then editing the image to further improve the visual quality. 2. Essential knowledge required to successfully complete assessments is a general understanding of digital photography, the workings of a digital camera and digital photo editing software. 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing all criteria

Grade 6 MYP Computer Technology

Web Authoring Beginner	A, B, C and D	Human Ingenuity & Environments	<ol style="list-style-type: none">1. The content focus of the unit is an understanding the applications and process of website design and web authoring.2. Essential knowledge required to successfully complete assessments is a basic understanding of web authoring software3. Key skills to be developed throughout unit is a wide range of ICT skills.	Complete Project assessing all criteria
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SSIS Scope and Sequence

G7 MYP Computer Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

→ End of semester varies dependent upon Chinese New Year – Units may need to be moved accordingly

month week	Aug	September				October				November				December			January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 1	Orientation/Photos/ Logins/Printers/Serve	Digital Presentations 3 Weeks			CAMP	Moon Festival	Flash Programming 6 Weeks				Digital Media – Video 4 Weeks			Web Authoring Weeks 1 - 3					

month week	February			March			April				May				June				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 2	WA – Cont'd	Chinese New Year	Web Authoring Weeks 5 - 7													MYP Exams			

Grade 7 MYP Computer Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Digital Presentations	A, C and D	Environments	<p>Unit Question(s)</p> <ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing all criteria
Flash Programming	A, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing all criteria
Digital Media – Video	B, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing all criteria
Web Authoring	B, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 	Complete Project assessing all criteria

Grade 7 MYP Computer Technology

			3. Key skills to be developed throughout unit is a wide range of ICT skills.	



SSIS Scope and Sequence

G8 MYP Computer Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

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month week	Aug	September				October				November				December			January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 1	Orientation/Photos/ Logins/Printers/Serve	Advanced Digital Presentation 6 Weeks				CAMP	Moon Festival	Advanced Digital Presentation			Database & Spreadsheet 3 weeks			Digital Media – Audio 4 Weeks			Web Authoring Weeks 1 - 3		

month week	February			March			April					May				June				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
SEMESTER 2	WA – Week 4	Chinese New Year	Web Authoring Weeks 5 - 7														MYP Exams			

Grade 8 MYP Computer Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Advanced Digital Presentation	B, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing criteria A, C, D, E and F
Database & Spreadsheet	A, C and D	Environments	<p>Unit Question(s)</p> <ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Project assessing criteria A, B and F
Digital Media – Audio	B, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 3. Key skills to be developed throughout unit is a wide range of ICT skills. 	Complete Project assessing all criteria
Web Authoring	B, C and D	Community and Service & Environments	<ol style="list-style-type: none"> 1. The content focus of the unit is an understanding the design cycle. 2. Essential knowledge required to successfully complete assessments is a comprehensive understanding of digital presentation software 	Complete Project assessing all criteria

Grade 8 MYP Computer Technology

			3. Key skills to be developed throughout unit is a wide range of ICT skills.	



SSIS Scope and Sequence

Grade 9 Computer Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

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month week	Aug	September				October				November				December			January			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Trimester Rotation	School Camp Information System 8 weeks								Web Design 4 weeks											

month week	February			March				April				May				June			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Grade 9 MYP Computer Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Unit Title Corresponding text or chapter	SSIS Overarching Intended Learnings	MYP Area of Interaction or ToK Link	Unit Question(s) 1. The content focus of the unit 2. Essential knowledge required to successfully complete assessments 3. Key skills to be developed throughout unit	These are assessments that will be common to every teacher of a certain level and course. Individual teacher assessments are not to be included here. Departments may indicate cross-curricular links or shared assessments. (humanities)
School Camp Information System	B, C and D	Community and Service	Concepts The design process Content Using DBMS to create an information system Skills Database skills and interface design skills	Project Assessment using criteria C, D, E and F
Web Design	B, C and D	Human Ingenuity	Concepts The design process Content Using Web Development software to create a web Skills Design, layout and graphic skills	Project Assessment using criteria A, B, C, D and F



SSIS Scope and Sequence

Grade 10 MYP Computer Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

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month week	Aug	September				October				November				December			January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 1	Terry Fox Run Awareness Campaign 10 weeks										Capture My Culture 9 weeks								

month week	February			March				April				May				June				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
SEMESTER 2	School Virtual Tour 10 weeks										Anaglyphs 4 weeks				Morphs 3 weeks			MYP Exams		Morphs

Grade 10 MYP Computer Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Terry Fox Run Awareness Campaign	B, C and D	Health and Social Education analyze ethical social issues, and make personal choice that they will stand by or advocate for.	Concepts The design process Content The Terry Fox Run (international and SSIS) as a social service project. Skills A range of ICT skills – use of different types of software and hardware	Complete Project assessing all criteria
Capture My Culture	B, C and D	Community and Service Be aware of an individual's role in effecting change and recognize that their attitude and/or actions can stimulate others.	Concepts The design process Content Making others aware of characteristics of my culture Skills A range of ICT skills – use of different types of software and hardware	Complete Project assessing all criteria

Grade 10 MYP Computer Technology

SSIS Virtual Tour	B, C and D	Community and Service	<p>Concepts The design process</p> <p>Content Creating a school virtual tour including interactive panoramas.</p> <p>Skills A range of ICT skills – use of different types of software and hardware</p>	Project assessing criteria D, E and F
Anaglyphs	B, C and D	Human Ingenuity	<p>Concepts Technology can affect perception</p> <p>Content Investigating the creation of Anaglyphs</p> <p>Skills A range of ICT skills – use of different types of software</p>	Project assessing criteria A and F
Morphs	B, C and D	Human Ingenuity	<p>Concepts Technology can create new effects</p> <p>Content Creating morphed images</p> <p>Skills A range of ICT skills – use of different types of software</p>	Project assessing criteria B, C and D

Technology

Food Tech. (G9 – G10)



SSIS Scope and Sequence

G9 MYP Food Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

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month week	Aug	September				October				November				December			January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 1	Intro to food Tech	Healthy lunchbox Snack											Intro to food Tech	9A					
		Grade 9 E																	

month week	February			March				April				May				June			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 2	Healthy lunchbox Snack							Intro to food Tech	Healthy lunchbox Snack										
	Grade 9 A								Grade 9 L										

Grade 9 MYP Food Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Intro To Food Tech	A,B,C,D	Health and Social	Unit Question What is Food Technology Knowledge Health and Safety in the Food Tech Room Methods of cooking and food preparation	2 practical lessons Students assessed on work and end product
Lunchbox snack	B,C,D	Health and Social Human Ingenuity	Unit Question How can we help others to become aware of different cultures Knowledge All areas of the design process Research, design plan, create, evaluate skills All areas of the design process Research, design plan, create, evaluate Use of equipment and methods of cooking	Complete project assessing all criteria A B C D E F



SSIS Scope and Sequence

G10 MYP Food Technology



Overview

→ Averaging 19 weeks per semester (38 weeks per year)

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month week	Aug	September				October				November				December			January		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 1	Capture My Culture 10 weeks										Designing from influences 9 weeks								

month week	February			March				April				May				June			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SEMESTER 2	Designing for specialty markets 10 weeks										Naturally good for you 9 weeks								

Grade 10 MYP Food Technology

Unit of Work	SSIS OILs	IB Framework	Unit Skills, Content or Knowledge	Common Assessments
Capture My culture	B,C and D	Community and Service	<p>Concepts The design process</p> <p>Content Making others aware of the characteristics of my culture</p> <p>Skills Use of equipment and methods of cooking</p>	Complete project assessing all criteria
Designing from Influences	A,B,C and D		<p>Concepts The design process</p> <p>Content How previous designs and designers influence the development of new foods</p> <p>Skills Use of equipment and methods of cooking</p>	Complete project assessing all criteria
Designing for specialty markets	B,C and D		<p>Concepts The design process</p> <p>Content Identifying and meeting the needs of a specified market</p> <p>Skills Use of equipment and methods of cooking</p>	Complete project assessing all criteria
Naturally good for you	A,B,C and D		<p>Concepts The design process</p> <p>Content How can we adapt the foods we eat to make them better for our health</p> <p>Skills Use of equipment and methods of cooking</p>	Complete project assessing all criteria