




 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update :			2016 August	
		Overall Expectations											
U1		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks	4 6	BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN			
UNIT 1		4 - 5 Weeks Sep 4 - Oct 13		<ul style="list-style-type: none">- What is a Chromebook?- Choosing Between a Chromebook and a Laptop- Getting to Know the Chromebook Interface- Migrating to a Chromebook- Chromebook Settings and Customization- Printing with a Chromebook- Exploring Windows 7- Getting Started with Windows 7- Finding Your Files with Search and Libraries		<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____		<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <p>Questions and Answers</p> <ul style="list-style-type: none">● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions● _____		<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____			
		>>> Grade 9 Course Overview Developed and Designed by : Hany Morcos <<<											


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Modules Covered									
CONTENT		DATES							
Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN			
UNIT 1		4 - 5 Weeks Sep 4 - Oct 13	<ul style="list-style-type: none">- Getting to Know Google- Understanding Google Privacy- Locked Out of Your Google Account- Quiz- Google Drive- Getting Started With Google Drive- Creating Google Docs- Uploading Files to Google Drive- Managing Your Files- Sharing and Collaborating- Converting and Printing Docs- Quiz	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____			


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Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks 4 6		BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN			
UNIT 1		4 - 5 Weeks Sep 4 - Oct 13		<ul style="list-style-type: none">- Practice Keyboard- More Practice F J - More Practice D K - More Practice L S - More Practice A ; - More Practice G H - More Practice V N - More Practice U T - More Practice Y R - More Practice B M 		<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____		<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions		<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____			


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Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks 4 6											
UNIT 1													
Typing Tutorial		4 - 5 Weeks Sep 4 - Oct 13											


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UNIT 1	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Google Sheets Spreadsheet Basic	4 - 5 Weeks Sep 4 - Oct 13	<ul style="list-style-type: none">- Getting Started with Google- Modifying Columns, Rows, and- Formatting Cells- Working with Multiple Sheets- Creating Simple Formula- Creating Complex Formula- Types of Cell References- Working With Functions- Sorting and Filtering Data- Understanding the New Google Sheets- Understanding Number Formats- Quiz	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____		
	Spreadsheet Tasks							


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Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks 4 6											
		BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN					
UNIT 1		Google Slides		4 - 5 Weeks Sep 4 - Oct 13		<ul style="list-style-type: none">- Getting Started with Your Presentation- Slide Basics- Text Basics- Adding Pictures and Shapes- Adding Transitions and Animations- Presenting Your Slide Show- Editing Master Slides and Layouts- Quiz		<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____		<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions		<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____	


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U2	Overall Expectations		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.								
	Modules Covered										
UNIT 2	CONTENT		DATES								
	Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES			
	Internet Safety		4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Creating Strong Passwords- Your Browser's Security Features- Avoid Spam and Phishing- Understanding Browser Tracking- What to do if Your Computer Gets a Virus- Wi-Fi Security- Quiz		<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____		<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions		<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____	


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U2	Modules Covered	Overall Expectations						
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UNIT 2	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Search Better	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Google Search Tips- How to Read a Webpage- Judging Online Information- Evaluate a Webpage Practice- Quiz	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____	<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____		
	Use Information Correctly		<ul style="list-style-type: none">- Putting Information Together- Avoiding Plagiarism- Copyright and Fair Use- Quiz		ASSESSMENT PLAN <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions			


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Modules Covered								
UNIT 2	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Online Research	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- What is Wikipedia?- Effective Research with Wikipedia	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● _____		
	Social Media Instagram		<ul style="list-style-type: none">- What is Instagram- Common Terms- Navigating Instagram- Sharing Photos on Instagram- Photo Sharing Tips- Photo Editing Tips- Sharing Videos on Instagram- Exploring Instagram- Liking and Commenting- Setting and Privacy- Quiz		ASSESSMENT PLAN <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____		


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UNIT 2	CONTENT		DATES						
	Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	WordPress		4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- What is Wordpress- Wordpress Resources- Setting Up a WordPress Portfolio Site- Adding Content- Setting Up an About Page and a Contact Form- Understanding What s Theme is and How it Works	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions	<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____		
	Creative Portfolio in WordPress								


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Modules Covered															
CONTENT		DATES													
Information and Communications Technology		Wks 4 6													
UNIT 2															
Using Hatch		4 - 5 Weeks Oct 16 - Dec 1													
		</													


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Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks 4 6											
UNIT 2													


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		Modules Covered											
		CONTENT		DATES									
		Information and Communications Technology		Wks 4 6		BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN	
UNIT 2		Using Touchfolio		4 - 5 Weeks Oct 16 - Dec 1		<ul style="list-style-type: none">- Getting and Installing Touchfolio- Creating Albums and Galleries- Adding a Gallery to the Menue- Adding a Masonry Gallery- Adding Links to Social Media Sites- Exploring Tauchfolio Theme Options- Things to Keep in Mind When Using the Touchfolio Theme		<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____		<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions		<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____	


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UNIT 2	Modules Covered							
	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Office 2013 Word Word Basics	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Introduction to Word- Creating and Opening Documents- Saving and Sharing Documents- Text Basics- Formatting Text- Page Layout- Printing Documents	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____		


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UNIT 2	CONTENT		DATES											
	Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES			TEACHING STRATEGIES			MATERIALS & RESOURCES			ASSESSMENT PLAN	
	Working with Text		4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Indents and Tabs- Line and Paragraph Spacing- Lists- Hyperlinks- Breaks- Columns- Headers, Footers, and Page Numbers			<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____			<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____			<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____	
	Working with Objects			<ul style="list-style-type: none">- Pictures and Text Wrapping- Formatting Pictures- Shapes- Text Boxes and WordArt- Arranging Objects- Tables- Charts			<ul style="list-style-type: none">• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____			ASSESSMENT PLAN <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions				


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		Units :	1 <=> 2	3 <=> 4	5 <=> 6	7	Academic Year :	2016 2017	
		Teacher Name :	Hany Morcos			Last Update :			2016 August
U2	Modules Covered	Overall Expectations							
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.							
UNIT 2	CONTENT	DATES							
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN			
	Reviewing Documents and Collaboration	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Checking Spelling and Grammar- Track Changes and Comments- Finalizing and Protecting Documents	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share			
	Doing More with Word		<ul style="list-style-type: none">- SmartArt Graphics- Styles- Themes	<ul style="list-style-type: none">● Auditory● Kinaesthetic● Visual● Prezi	<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● _____● _____● _____● _____	<ul style="list-style-type: none">● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____		
	Extra		<ul style="list-style-type: none">- Customizing the Ribbon- Enabling Touch Mode- Embedding an Excel Chart- 4 Free Alternatives to Microsoft Office- Quiz	<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____			
						ASSESSMENT PLAN			
					<ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____			


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9						
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017			
		Teacher Name :		Hany Morcos					Last Update : 2016 August						
U2		Overall Expectations													
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.													
Modules Covered															
UNIT 2	CONTENT		DATES												
	Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES			TEACHING STRATEGIES			MATERIALS & RESOURCES			ASSESSMENT PLAN		
	Excel Basics		4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Getting Started with Excel- Creating and Opening Workbooks- Saving and Sharing Workbooks- Cell Basics- Modifying Columns, Rows, and Cells- Formatting Cells- Worksheet Basics- Page Layout- Printing Workbooks- Quiz			<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____			<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions			<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____		


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year : 2016 2017	
		Teacher Name : Hany Morcos					Last Update : 2016 August	
U2	Modules Covered	Overall Expectations						
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.						
UNIT 2	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	PowerPoint Basics	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Getting to Know PowerPoint- Creating and Opening Presentations- Saving and Sharing- Slide Basics- Text Basics- Applying Themes- Applying Transitions- Managing Slides- Printing- Presenting Your Slide Show	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____		


		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update : 2016 August				
		Overall Expectations											
U2		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
Modules Covered													
UNIT 2	CONTENT	DATES											
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES		MATERIALS & RESOURCES			ASSESSMENT PLAN				
	Text and Objects	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Lists- Indents and Line Spacing- Inserting Pictures- Formatting Pictures- Shapes and WordArt- Arranging Objects- Animating Text and Objects- Inserting Videos- Inserting Audio- Tables- Charts- SmartArt Graphics	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____		<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions			<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____				
	More Objects												


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year : 2016 2017	
		Teacher Name : Hany Morcos					Last Update : 2016 August	
U2	Modules Covered	Overall Expectations						
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.						
UNIT 2	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Review Presentations & Collaboration	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Checking Spelling and Grammar- Reviewing Presentations- Finalizing and Protecting Presentations	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____		
	Customizing Your Presentation		<ul style="list-style-type: none">- Modifying Themes- Slide Master View- Hyperlinks and Action Buttons- Advanced Presentation Options					
	Extras				<ul style="list-style-type: none">- Embedding an Excel Chart- 4 Free Alternatives to Microsoft Office- Quiz		ASSESSMENT PLAN <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	


		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
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U2		Overall Expectations											
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
Modules Covered													
UNIT 2	CONTENT		DATES										
	Information and Communications Technology		Wks 4 6		BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN		
	Introduction to Graphic Design Using Adobe CC		4 - 5 Weeks Oct 16 - Dec 1		- Challenges Explained - Getting to Know Your Tools - What is Graphic Design? - What Makes a Design Great?		● Presentations ● Videos ● Questions and Answers ● Group Work Jigsaw ● PowerPoint ● Whiteboard ● Smart-board Promethean ● Auditory ● Kinaesthetic ● Visual ● Prezi ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____		● Computers ● Google Chrome ● Videos ● Presentations ● Slideshows ● Handouts Hard and Digital ● Internet Research ● _____ ● _____ ● _____ ● _____ ● _____ ASSESSMENT PLAN ● Questions and Answers ● Observation ● Checklist ● Conference ● Graphic Organizer ● Class Discussions ● Group Discussions		● Group Discussions ● Hands-On Exercises ● Individual Presentation ● Group Presentation ● Interviews ● Reader's Workshop ● Homework Writer's ● Workshop Peer Self ● Assessment Think Pair ● Share ● Tests Quizzes ● Assignments ● Projects ● Essay ● Rubric(s) ● _____ ● _____ ● _____ ● _____ ● _____ ● _____		
	- Photo Editing - Adobe Photoshop - Digital Design - Adobe Illustrator - Layout Design - Adobe InDesign - Web Design - DreamWeaver HTML												


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9
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		Teacher Name : Hany Morcos					Last Update : 2016 August		
		Overall Expectations							
U2		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.							
Modules Covered									
CONTENT		DATES							
Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN	
UNIT 2 Introduction To Typography		4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- What is Typography- Understanding Fonts and Typeface- Exploring the Anatomy of Type- Learning The Terminology of Type- Exploring the Rules of Typography- Pairing Typeface for Maximum Impact- Finding New Typeface for Your Project- Challenge: Choosing a Typeface- Solution: Choosing a Typeface- Quiz	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____		<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions		<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____	


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update : 2016 August				
U2		Overall Expectations											
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks 4 6											
UNIT 2													
Introduction To Colour		4 - 5 Weeks Oct 16 - Dec 1											
</													


		Course Overview					Grade Level		9						
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year :		2016 2017	
		Teacher Name :		Hany Morcos					Last Update :		2016 August				
U2		Overall Expectations													
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.													
Modules Covered															
UNIT 2	CONTENT		DATES												
	Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES			TEACHING STRATEGIES			MATERIALS & RESOURCES			ASSESSMENT PLAN		
	Planning Your Project		4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Understanding the Needs of the Project- Brainstorming with Thumbnail Sketches- Exploring Your Thumbnail Sketches- Challenge: Planning Your Project- Solution: Planning Your Project			<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____			<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions			<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____		


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
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		Teacher Name :		Hany Morcos					Last Update : 2016 August				
		Overall Expectations											
U2		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks 4 6											
UNIT 2													
Starting Illustrator		4 - 5 Weeks Oct 16 - Dec 1											


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9							
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		Teacher Name :		Hany Morcos					Last Update :					2016 August		
U2		Overall Expectations														
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Modules Covered																
UNIT 2	CONTENT		DATES													
	Information and Communications Technology		Wks 4 6	BIG IDEAS COMPETENCIES			TEACHING STRATEGIES			MATERIALS & RESOURCES			ASSESSMENT PLAN			
	Starting Photoshop		4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Photoshop Interface Tools- Making Selections- Working with Layer Masks- Challenge: Masking- Solution: Masking- Combining Two Images Together- Removing Unwanted Images- Changing the Colour of Photos- Converting Images to Black and White- Cropping Images Nondestructively- Saving Your Photoshop Files- Quiz			<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____			<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions			<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____			


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year : 2016 2017	
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U2	Modules Covered	Overall Expectations						
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.						
UNIT 2	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Starting InDesign	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- InDesign Interface Tools- Creating a Wireframe in InDesign- Importing Graphics into InDesign- Adjusting the Fit of Graphics- Creating Master Pages in InDesign- Importing Colour Swatches into InDesign- Importing Text Documents into InDesign- Creating Styles in InDesign	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions	<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____		


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
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UNIT 2	Modules Covered							
	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Starting InDesign	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Working with Tabs in InDesign- Creating Tables in InDesign- Adding the Final Touches to Your Design- Saving and Exporting Your Final Project- Quiz	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions	<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____		


		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update : 2016 August				
		Overall Expectations											
U2		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
Modules Covered													
UNIT 2	CONTENT	DATES											
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN				
	Starting Dreamweaver	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Understanding Website Design- Understanding the Internet and Website- Planning and Designing a Website- The Fundamental of HTML- Understanding CSS- Creating Your First Webpage- Adding HTML5 Content- Creating a Local Site		<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____		<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions		<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____				
	Creating a Webpage												


		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update :			2016 August	
		Overall Expectations											
U2		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
		Modules Covered											
		CONTENT		DATES									
		Information and Communications Technology		Wks 4 6		BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN	
UNIT 2		Stylizing Content		4 - 5 Weeks Oct 16 - Dec 1		<ul style="list-style-type: none">- Styling Content With CSS- Creating a Layout With CSS- Exporting Images From Photoshop- Adding and Manipulating Images		<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____		<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions		<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____	


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update :			2016 August	
		Overall Expectations											
U2		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.											
Modules Covered													
CONTENT		DATES											
Information and Communications Technology		Wks 4 6		BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN			
UNIT 2		4 - 5 Weeks Oct 16 - Dec 1		<ul style="list-style-type: none">- Adding Links- Creating Navigation- Building Transition on Navigation- Adding Multiple Pages- Adding Media Queries- Creating a Layout fro Tables- Creating a Layout for Mobile- Inserting an Edge Animate Composition- Implementing Video- Adding Social Media		<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____		<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions		<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____			


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year : 2016 2017	
		Teacher Name : Hany Morcos					Last Update : 2016 August	
U2	Modules Covered	Overall Expectations						
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.						
UNIT 2	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Creating a Contact For, Testing and Uploading	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Adding Input Fields- Sending Contact-Form Engine- Finalizing the Website- Optimizing for Search Engine- Uploading the Site	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____		


		Course Overview					Grade Level	9
		Units :	1 <=> 2	3 <=> 4	5 <=> 6	7	Academic Year :	2016 2017
		Teacher Name :	Hany Morcos			Last Update : 2016 August		
U2	Modules Covered	Overall Expectations						
		Text-based coding, binary representation of various data types, including text, sound, pictures, video, development and collaboration in a cloud-based environment, design and function of networking hardware, functions of operating systems, design for the web, strategies for curating and managing personal digital content, including management, personalization, organization, maintenance, contribution, creation, and publishing of digital content, relationships between technology and social change, strategies to manage and maintain personal learning networks.						
UNIT 2	CONTENT	DATES						
	Information and Communications Technology	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Introduction to 2 or 3 of the Open Source Software for Graphic Design Using: GIMP For Photo Editing INKSCAPE For Digital Editing HANDBRAKE For Video Editing AUDACITY For Soundtrack SCRIBUS For Page Layout	4 - 5 Weeks Oct 16 - Dec 1	<ul style="list-style-type: none">- Adobe CC- Photo Editing- Gimp- Digital Design- Inkscape- Layout Design- Scribus- Video Editing- Handbrake- Soundtrack- Audacity- Web Design- Wordpress HTML	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____● _____		


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9				
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year :	2016 2017				
		Teacher Name :			Hany Morcos				Last Update :		2016 August	
U3	Modules Covered		Overall Expectations									
			Drafting technique, including dimensioning and standards, drafting styles, including perspective, mechanical, and architectural, CADD/CAM, CNC and 3D printing, function of models, basic code, digital output devices, virtual creation using CAD/CAM.									
UNIT 3	CONTENT		DATES									
	Drafting		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN					
	AutoCAD 2015 Introduction to AutoCAD 2015		4 - 5 Weeks Dec 4 - Jan 12	<ul style="list-style-type: none">- Staring AutoCAD 2015- AutoCAD User Interface- Changing the Colour Scheme- Workspace in AutoCAD- Application Meny- Quick Access Toolbar- File Tabs- Graphic Window- View Cube- Navigation Bar- Command Line- Status Bar- Menu Bar- Changing the Display of the Ribbon- Dialogs and Palettes- Tool Palettes- Shortcut Menus- Selection Window- Staring a New Drawing- Command List- 3D Commands	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● _____● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____					


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9												
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year :		2016 2017							
		Teacher Name :					Hany Morcos					Last Update :					2016 August				
U3		Overall Expectations																			
		Drafting technique, including dimensioning and standards, drafting styles, including perspective, mechanical, and architectural, CADD/CAM, CNC and 3D printing, function of models, basic code, digital output devices, virtual creation using CAD/CAM.																			
Modules Covered																					
UNIT 3	CONTENT		DATES																		
	Drafting		Wks 4 6	BIG IDEAS COMPETENCIES			TEACHING STRATEGIES			MATERIALS & RESOURCES			ASSESSMENT PLAN								
	AutoCAD 2015 Drawing Basics		4 - 5 Weeks Dec 4 - Jan 12	<ul style="list-style-type: none">- Drawing Lines- Erasing Undoing Redoing- Drawing Circles- Drawing Arcs- Drawing Splines- Drawing Ellipses- Drawing Polylines- Drawing Rectangles- Drawing Polygons- Exercise			<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____			<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions			<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____								


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9						
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year :		2016 2017	
		Teacher Name :		Hany Morcos					Last Update :		2016 August				
		Overall Expectations													
U3		Drafting technique, including dimensioning and standards, drafting styles, including perspective, mechanical, and architectural, CADD/CAM, CNC and 3D printing, function of models, basic code, digital output devices, virtual creation using CAD/CAM.													
Modules Covered															
UNIT 3	CONTENT		DATES												
	Drafting		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN						
	AutoCAD 2015 Drawing Aids		4 - 5 Weeks Dec 4 - Jan 12	<ul style="list-style-type: none">- Setting Grid and Snap- Setting the Limits of a Drawing- Setting the Lineweight- Using Ortho Mode and Polar Tracking- Using Layers- Using Object Snaps- Running Object Snaps- Cycling Through Object Snaps- Using Zoom Tools- Panning Drawings- Exercise	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions	<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____• _____								


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name : Hany Morcos					Last Update : 2016 August						
		Overall Expectations											
U4		Drafting technique, including dimensioning and standards, drafting styles, including perspective, mechanical, and architectural, CADD/CAM, CNC and 3D printing, function of models, basic code, digital output devices, virtual creation using CAD/CAM.											
Modules Covered													
UNIT 4	CONTENT		DATES										
	Drafting		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN						
	AutoCAD 2015 Editing Tools		4 - 5 Weeks Jan 15 - Mar 9	<ul style="list-style-type: none">- The Move Tool- The Copy Tool- The Rotate Tool- The Scale Tool- The Trim Tool- The Extended Tool- The Fillet Tool- The Chamfer Tool- The Mirror Tool- The Explode Tool- The Stretch Tool- The Polar Array Tool- The Offset Tool- The Path Array Tool- The Rectangular Array Tool- Editing Using Grips- Modifying Rectangular Array- Modifying Polar Array- Exercise	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____						


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9				
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year :	2016 2017				
		Teacher Name :			Hany Morcos				Last Update :		2016 August	
U4			Overall Expectations									
	Modules Covered		Drafting technique, including dimensioning and standards, drafting styles, including perspective, mechanical, and architectural, CADD/CAM, CNC and 3D printing, function of models, basic code, digital output devices, virtual creation using CAD/CAM.									
UNIT 4	CONTENT		DATES									
	Drafting		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES			ASSESSMENT PLAN			
	AutoCAD 2015 Multi View Drawings		4 - 5 Weeks Jan 15 - Mar 9	<ul style="list-style-type: none">- Creating Orthographic View- Creating Auxiliary Views- Creating Named Views- Exercises- Creating Dimensions- Adding Leaders- Adding Dimensional Tolerance- Geometric Dimensioning and Tolerance- Editing Dimensions By Stretching- Modifying Dimensions By Trimming and Extending- Using The DIMWIT Command- Exercises	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">• Questions and Answers• Observation• Checklist• Conference• Graphic Organizer• Class Discussions• Group Discussions			<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests• Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____• _____			
	Dimensions and Annotations											


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
		Units :	1 <=> 2	3 <=> 4	5 <=> 6	7	Academic Year :	2016 2017
		Teacher Name :	Hany Morcos			Last Update : 2016 August		
U4	Modules Covered	Overall Expectations						
		Drafting technique, including dimensioning and standards, drafting styles, including perspective, mechanical, and architectural, CADD/CAM, CNC and 3D printing, function of models, basic code, digital output devices, virtual creation using CAD/CAM.						
UNIT 4	CONTENT	DATES						
	Drafting	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	AutoCAD 2015 Section Views	4 - 5 Weeks Jan 15 - Mar 9	<ul style="list-style-type: none">- The Hatch Tool- Setting the Properties of Hatch Lines- Island Detection Tools- Text in Hatching- Editing Hatch Lines- Exercises	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____		


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year : 2016 2017	
		Teacher Name : Hany Morcos			Last Update : 2016 August			
U4	Modules Covered	Overall Expectations						
		Drafting technique, including dimensioning and standards, drafting styles, including perspective, mechanical, and architectural, CADD/CAM, CNC and 3D printing, function of models, basic code, digital output devices, virtual creation using CAD/CAM.						
UNIT 4	CONTENT	DATES						
	Drafting	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	AutoCAD 2015 Layout and Annotative Objects	4 - 5 Weeks Jan 15 - Mar 9	<ul style="list-style-type: none">- Drawing Layout- Working with Layout- Creating Viewports in the Paper Space- Changing the Layer Properties in Viewport- Creating the Title Block on the Layout- Working with Annotative Dimensions- Scaling Hatches Relative to Viewports- Working with Annotative- Exercise	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____		
	Final Project			<ul style="list-style-type: none">- To Decided Later	<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____● _____● _____		<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____	


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update : 2016 August				
U5		Overall Expectations											
		Uses of electronics and robotics, components of an electric circuit, ways in which various electrical components affect the path of electricity, Ohm's law , platforms for PCB (printed circuit board) production, basic robot behaviours using input/output devices , movement- and sensor-based responses, and microcontrollers, mechanical devices for the transfer of mechanical energy, mechanical advantage and power efficiency, including friction, force, and torque, robotics coding , various platforms for robotics programming.											
Modules Covered													
UNIT 5	CONTENT		DATES										
	Electronics and Robotics		Wks 4 6		BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN		
	Scratch Programming Language		4 - 5 Weeks Mar 16 - Apr 13		- Programming is Fun - Graphical vs. Coding-based Languages		● Presentations ● Videos ● Questions and Answers ● Group Work Jigsaw ● PowerPoint ● Whiteboard ● Smart-board Promethean ● Auditory ● Kinaesthetic ● Visual ● Prezi ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____ ● _____		● Computers ● Google Chrome ● Videos ● Presentations ● Slideshows ● Handouts Hard and Digital ● Internet Research ● _____ ● _____ ● _____ ● _____ ● _____		● Group Discussions ● Hands-On Exercises ● Individual Presentation ● Group Presentation ● Interviews ● Reader's Workshop ● Homework Writer's ● Workshop Peer Self ● Assessment Think Pair ● Share ● Tests ● Quizzes ● Assignments ● Projects ● Essay ● Rubric(s) ● _____ ● _____ ● _____ ● _____ ● _____		
	Introduction to Scratch				- What is Scratch? - Create a Scratch Account - Your First Project - Backdrops - Sprites - Paint in Vector Mode - Paint in Bitmap Mode - Backpack - Tutorial								
					- Exercise Files								
								ASSESSMENT PLAN					
								● Questions and Answers ● Observation ● Checklist ● Conference ● Graphic Organizer ● Class Discussions ● Group Discussions					


 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update :			2016 August	
U5		Overall Expectations											
		Uses of electronics and robotics, components of an electric circuit, ways in which various electrical components affect the path of electricity, Ohm's law , platforms for PCB (printed circuit board) production, basic robot behaviours using input/output devices , movement- and sensor-based responses, and microcontrollers, mechanical devices for the transfer of mechanical energy, mechanical advantage and power efficiency, including friction, force, and torque, robotics coding , various platforms for robotics programming.											
Modules Covered													
UNIT 5	CONTENT		DATES										
	Electronics and Robotics		Wks 4 6	BIG IDEAS COMPETENCIES		TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN			
	Scratch Programming Language		4 - 5 Weeks Mar 16 - Apr 13	<ul style="list-style-type: none">- Programming is Fun- Graphical vs. Coding-based Languages- Using the Scratch Screen- Exploring the Blocks- Changing the Backdrop- Creating Your First Program- Saving Your Project- Opening Projects- Opening Shared Projects		<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____		<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ ASSESSMENT PLAN <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions		<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____			
	Knowing Scratch												

 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9
		Units :	1 <=> 2	3 <=> 4	5 <=> 6	7	Academic Year :	2016 2017
		Teacher Name :	Hany Morcos			Last Update : 2016 August		
U5	Modules Covered	Overall Expectations						
		Uses of electronics and robotics, components of an electric circuit, ways in which various electrical components affect the path of electricity, Ohm's law , platforms for PCB (printed circuit board) production, basic robot behaviours using input/output devices , movement- and sensor-based responses, and microcontrollers, mechanical devices for the transfer of mechanical energy, mechanical advantage and power efficiency, including friction, force, and torque, robotics coding , various platforms for robotics programming.						
UNIT 5	CONTENT	DATES						
	Electronics and Robotics	Wks	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
		4 6						
	Drawing with Scratch	4 - 5 Weeks Mar 16 - Apr 13	<ul style="list-style-type: none">- Understanding Coordinates- Changing a Sprite's Position- Using the Pen- Drawing a House in Scratch- Using Directions in Move- Keeping Sprites Upright- Drawing Using Directions- Making Shapes Using Repeat- Putting Loops Inside Loops- Creating Rainbow Painter	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____ <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____● _____		

 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level		9				
		Units :		1 <=> 2		3 <=> 4		5 <=> 6		7		Academic Year : 2016 2017	
		Teacher Name :		Hany Morcos					Last Update : 2016 August				
		Overall Expectations											
U6		Uses of electronics and robotics, components of an electric circuit, ways in which various electrical components affect the path of electricity, Ohm's law, platforms for PCB (printed circuit board) production, basic robot behaviours using input/output devices, movement- and sensor-based responses, and microcontrollers, mechanical devices for the transfer of mechanical energy, mechanical advantage and power efficiency, including friction, force, and torque, robotics coding, various platforms for robotics programming.											
Modules Covered													
CONTENT		DATES											
Electronics and Robotics		Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES		MATERIALS & RESOURCES		ASSESSMENT PLAN					
UNIT 6		Spiral Rider	4 - 5 Weeks Apr 16 - May 25	<ul style="list-style-type: none">- Introducing Spiral Rider- Using the Green Flag- Creating Variables- Drawing a Spiral- Changing the Background- Adding Sprites- Animating the Crab- Enabling Keyboard Control- Making the Fish Move- Adding Game Over Messages-		<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi●●●●●●●●●●		<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research●●●●●● <p>ASSESSMENT PLAN</p> <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions		<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)●●●●●●●			

 مدرسة الحياة العالمية Hayat Universal School		Course Overview					Grade Level	9	
		Units :	1 <=> 2	3 <=> 4	5 <=> 6	7	Academic Year :	2016 2017	
		Teacher Name :	Hany Morcos				Last Update :	2016 August	
U6	Modules Covered	Overall Expectations							
		Uses of electronics and robotics, components of an electric circuit, ways in which various electrical components affect the path of electricity, Ohm's law, platforms for PCB (printed circuit board) production, basic robot behaviours using input/output devices, movement- and sensor-based responses, and microcontrollers, mechanical devices for the transfer of mechanical energy, mechanical advantage and power efficiency, including friction, force, and torque, robotics coding, various platforms for robotics programming.							
UNIT 6	CONTENT	DATES							
	Electronics and Robotics	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN			
	Scripts	4 - 5 Weeks Apr 16 - May 25	<ul style="list-style-type: none">- Motion- Looks- Events- Pen- Control- Sensing- Operators- Variables- Comments and Cleanup- Quiz	<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi	<ul style="list-style-type: none">● Computers● Google Chrome● Videos● Presentations● Slideshows● Handouts Hard and Digital● Internet Research● _____● _____● _____● _____● _____	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework Writer's● Workshop Peer Self● Assessment Think Pair● Share● Tests● Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____			
	Costumes		<ul style="list-style-type: none">- Animate Costumes- Draw Custom Vector Costumes- Draw Custom Bitmap Costumes	<ul style="list-style-type: none">● _____● _____● _____● _____● _____● _____● _____● _____● _____● _____	ASSESSMENT PLAN <ul style="list-style-type: none">● Questions and Answers● Observation● Checklist● Conference● Graphic Organizer● Class Discussions● Group Discussions				

 <p>مدسة الحياة العالمية Hayat Universal School</p>		Course Overview					Grade Level	9
		Units : 1 <=> 2 3 <=> 4 5 <=> 6 7					Academic Year : 2016 2017	
		Teacher Name : Hany Morcos					Last Update : 2016 August	
U6	Modules Covered	Overall Expectations						
		Uses of electronics and robotics, components of an electric circuit, ways in which various electrical components affect the path of electricity, Ohm's law, platforms for PCB (printed circuit board) production, basic robot behaviours using input/output devices, movement- and sensor-based responses, and microcontrollers, mechanical devices for the transfer of mechanical energy, mechanical advantage and power efficiency, including friction, force, and torque, robotics coding, various platforms for robotics programming.						
UNIT 6	CONTENT	DATES						
	Electronics and Robotics	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN		
	Build a Game	4 - 5 Weeks Apr 16 - May 25	<ul style="list-style-type: none">- View the Finished Game- Set Up the Layout- Make a Character Walk- Spawn Clones- Randomness- Detect Collisions- Create Pickup Items- Display a Score- Share Your Creation	<ul style="list-style-type: none">• Presentations• Videos• Questions and Answers• Group Work Jigsaw• PowerPoint• Whiteboard• Smart-board Promethean• Auditory• Kinaesthetic• Visual• Prezi• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Computers• Google Chrome• Videos• Presentations• Slideshows• Handouts Hard and Digital• Internet Research• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• Group Discussions• Hands-On Exercises• Individual Presentation• Group Presentation• Interviews• Reader's Workshop• Homework Writer's• Workshop Peer Self• Assessment Think Pair• Share• Tests Quizzes• Assignments• Projects• Essay• Rubric(s)• _____• _____• _____• _____• _____		
	Practice Games		<ul style="list-style-type: none">- Game 1- Game 2- Game 3- Game 4- Game 5	<ul style="list-style-type: none">• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____		
	Your Final Project		<ul style="list-style-type: none">- To Be Decided Later	<ul style="list-style-type: none">• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____	<ul style="list-style-type: none">• _____• _____• _____• _____• _____• _____• _____• _____• _____• _____		

 مدرسة الحياة العالمية Hayat Universal School		Course Overview							Grade Level	9
		Units : 1 2 3 4 5 6 7							Academic Year : 2016 2017	
		Teacher Name : Hany Morcos					Last Update : 2016 August			
		Overall Expectations								
U7	Modules Covered		Digital and non-digital media technologies, their distinguishing characteristics and uses, techniques for organizing ideas to structure information and story through media conventions, media production skills, standards-compliant technology, ethical, moral, legal considerations and regulatory issues, technical and symbolic elements that can be used in storytelling, specific features and purposes of media artworks from the present and the past to explore viewpoints, including those of First Peoples, specific purposes of media use in the social advocacy of First Peoples in Canada, influences of digital media in society.							
UNIT 7	CONTENT	DATES								
	Media Arts	Wks 4 6	BIG IDEAS COMPETENCIES	TEACHING STRATEGIES	MATERIALS & RESOURCES	ASSESSMENT PLAN				
	Digital Photography	4 - 5 Weeks May 28 - Jun 21		<ul style="list-style-type: none">● Presentations● Videos● Questions and Answers● Group Work Jigsaw● PowerPoint● Whiteboard● Smart-board Promethean● Auditory● Kinaesthetic● Visual● Prezi● _____● _____● _____● _____● _____● _____● _____● _____● _____	<div>Computers</div> <div>Google Chrome</div> <div>Videos</div> <div>Presentations</div> <div>Slideshows</div> <div>Handouts Hard and Digital</div> <div>Internet Research</div> <div>●</div> <div>●</div> <div>●</div> <div>●</div> <div>●</div> <div>ASSESSMENT PLAN</div> <div>Questions and Answers</div> <div>Observation</div> <div>Checklist</div> <div>Conference</div> <div>Graphic Organizer</div> <div>Class Discussions</div> <div>Group Discussions</div>	<ul style="list-style-type: none">● Group Discussions● Hands-On Exercises● Individual Presentation● Group Presentation● Interviews● Reader's Workshop● Homework● Writer's Workshop● Peer Self Assessment● Think Pair Share● Tests Quizzes● Assignments● Projects● Essay● Rubric(s)● _____● _____● _____● _____● _____● _____				
	Image Editing									
	Photoshop Basics									
Beginning Graphic Design										

