

Design - Subject Group Overview							
Unit Name	Key Concepts	Related Concepts	Global Context	Statement of Inquiry	Content	MYP Objectives	Approaches to Learning
CODING							
Programming Principles	Communication	• Function	Scientific and technical innovation	The function of systems, models and methods can be communicated through algorithms.	<ul style="list-style-type: none"> Develop an awareness of programming languages Explain the components of programming languages Examine connections between elements of mathematics and computer science Demonstrate comprehension and communication Organize ideas and communicate oral and written messages Define the term "algorithm" and explain how it relates to problem solving Describe iterative programming structures Describe selection programming structures Explain the types and use of variables in programming Write a simple program in pseudo-code that used structured programming to solve a problem 	<p>Year 1 Objectives</p> <p>■ Objective A: Inquiring and analysing Bii. explain and justify the need for a solution to a problem</p> <p>■ Objective C: Creating the solution Biii. demonstrate excellent technical skills when making the solution Biii. follow the plan to create the solution, which functions as intended</p>	<p>Communication skills</p> <p>■ Use and interpret a range of discipline-specific terms and symbols</p> <p>■ Organize and depict information logically</p> <p>Organization skills</p> <p>■ Use appropriate strategies for organizing complex information</p>
Programming w/ Scratch	Development	• Innovation	Scientific and technical innovation	The development of virtual environments leads to innovation within a digital platform.	<ul style="list-style-type: none"> Demonstrate proficiency using specialized computer coding software Use specialized computer coding software to solve problems Collaborate with individuals and teams to complete tasks and solve information technology problems Demonstrate an awareness of project management concepts and tools Recognize that more than one algorithm can solve a given problem Create a program that implements an algorithm to achieve a given goal, individually and collaboratively Use iterative development and debugging to explore the problem domain. Demonstrate proficiency in basic programming Describe the structure of a simple program, and explain why sequencing is important Troubleshoot and debug errors in code 	<p>Year 3 Objectives</p> <p>■ Objective B: Developing ideas Biii. present the chosen design and outline the reasons for its selection</p> <p>■ Objective C: Creating the solution Biii. demonstrate excellent technical skills when making the solution Biii. follow the plan to create the solution, which functions as intended</p> <p>■ Objective D: Evaluating Bii. explain the success of the solution against the design specification Biii. describe how the solution could be improved</p>	<p>Organization skills</p> <p>■ Plan short- and long-term assignments; meet deadlines</p> <p>Critical-thinking skills</p> <p>■ Propose and evaluate a variety of solutions</p>
MARKETING							
Marketing, Sales and Service Career Pathways	Communication	• Resources	Personal and cultural expression	Resources convey information for a purpose which is vital to communication in different fields.	<ul style="list-style-type: none"> Demonstrate an understanding of e-Marketing Demonstrate an understanding of Professional Sales and Marketing Demonstrate an understanding of Management and Entrepreneurship Demonstrate an understanding of Distribution and Logistics Demonstrate an understanding of Marketing Information Management and Research Demonstrate an understanding of Marketing Communications and Promotion Demonstrate an understanding of Buying and Merchandising 	<p>Year 1 Objectives</p> <p>■ Objective A: Inquiring and analysing Bii. state and prioritize the main points of research needed to develop a solution to the problem Biii. describe the main features of an existing product that inspires a solution to the problem Biv. present the main findings of relevant research.</p> <p>■ Objective B: Developing ideas Bii. develop a list of success criteria for the solution Biii. present feasible design ideas, which can be correctly interpreted by others Biii. present the chosen design Biv. create a planning drawing/diagram, which outlines the main details for making the chosen solution.</p> <p>■ Objective C: Creating the solution Bii. outline a plan, which considers the use of resources and time, sufficient for peers to be able to follow to create the solution Biii. demonstrate excellent technical skills when making the solution Biv. list the changes made to the chosen design and plan when making the solution.</p> <p>■ Objective D: Evaluating Bii. outline simple, relevant testing methods, which generate data, to measure the success of the solution Biv. outline the impact of the solution on the client/target audience.</p>	<p>Communication skills</p> <p>■ Collaborate with peers and experts using a variety of digital environments and media.</p> <p>Organization skills</p> <p>■ Select and use technology effectively and productively</p> <p>Media literacy skills</p> <p>■ Locate, organize, analyse, evaluate, synthesize and ethically use information from a variety of sources and media (including digital social media and online networks)</p>
Being a Leader: Professional Interactions	Communication	• Perspective • Collaboration	Identities and relationships	Interpret perspectives with leadership and collaboration through communication.	<p>Students will need to understand the importance of communication in the business field, how to prepare and conduct professional meetings, and how to conduct themselves appropriately in the workforce. They will use their knowledge of the content and concepts to meet the needs of the scenario set forth in the infographic task. Students will show through their infographic their understanding of the statement of inquiry, and the content that regarding communication in their discipline/field.</p>	<p>Year 1 Objectives</p> <p>■ Objective A: Inquiring and analysing Bii. explain and justify the need for a solution to a problem Bii. state and prioritize the main points of research needed to develop a solution to the problem Biii. describe the main features of an existing product that inspires a solution to the problem Biv. present the main findings of relevant research.</p> <p>■ Objective B: Developing ideas Bii. develop a list of success criteria for the solution Biii. present feasible design ideas, which can be correctly interpreted by others Biii. present the chosen design Biv. create a planning drawing/diagram, which outlines the main details for making the chosen solution.</p> <p>■ Objective C: Creating the solution Bii. outline a plan, which considers the use of resources and time, sufficient for peers to be able to follow to create the solution Biii. follow the plan to create the solution, which functions as intended Biv. list the changes made to the chosen design and plan when making the solution.</p> <p>■ Objective D: Evaluating Bii. outline simple, relevant testing methods, which generate data, to measure the success of the solution</p>	<p>Organization skills</p> <p>■ Create plans to prepare for summative assessments (examinations and performances)</p> <p>■ Use appropriate strategies for organizing complex information</p> <p>■ Select and use technology effectively and productively</p> <p>Information literacy skills</p> <p>■ Collect, record and verify data</p> <p>■ Understand and use technology systems</p> <p>■ Create references and citations, use footnotes/endnotes and construct a bibliography according to recognized conventions</p> <p>Critical-thinking skills</p> <p>■ Interpret data</p>