المادة الدراسية للاختبارات Study list

الصف التاسع Grade 9	منتصف الفصل الدراسي الأول 2025/2024 Semester 1- MidTerm

المادة Subject		الوحدات/الدروس Units/ Lessons	الصفحات في الكتاب Pages in the book
Computer Science	**Theory** **النظري**	**Module 1: Intro to MIT AppInventor with Hello Purr project:** 1.1 Testing your application 1.2 Working with Emulator 1.3 Designing the Interface 1.4 Working with Components like adding labels buttons and pictures. 1.5 Adding behaviour to components **Module 2: GCC Navigation App:** 2.1 Applying Multiple screen 2.2 Applying behaviour to each screen 2.3 Each screen has a picture to speech application 2.4 Navigation between the screens **Module 3: STEM based Formula App BMI Calculator** 3.1 Adding components 3.2 Applying math blocks 3.3 Adding behaviour to components 3.4 Displaying the calculated values 3.5 Working with multiple screens **Module 5: Working with Sensors:** 5.1 Accelerometer Sensor 5.2 Gyroscope Sensor 5.3 Orientation and Pedometer	All the resources including Lesson Presentations, Worksheets, Homework tasks, and Quizzes have been uploaded to LMS
	Practical **العملي**	**Module 2: GCC Navigation App** 2.1 Applying Multiple screens 2.2 Applying behavior to each screen 2.3 Each screen has a picture to speech application 2.4 Navigation between the screens	All the resources including Lesson Presentations, Worksheets, Homework tasks,

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and Quizzes have been uploaded to LMS	**Module 3: STEM based Formula App - BMI Calculator** 3.1 Adding components 3.2 Applying math blocks 3.3 Adding behavior to components 3.4 Displaying the calculated values 3.5 Working with multiple screens. **Module 4: Develop a Count my Steps App**		
Pasco STEM Textbook pages 4-9 and 23-25 **Review questions pages 26-28** **Questions** 1-8, 20-24,	Chapter 1 1.1 Scientific method • Write a valid hypothesis • Determine independent, dependent, and control variables • Write a valid conclusion based on outcome of data • Describe the difference between qualitative and quantitative data. • State the definition of repeatable and reproducible. 1.5 The design cycle • Know the steps of the Engineering Design cycle • Know the difference between science and engineering and when one is used over the other		
Pasco STEM Textbook Pages 32-58 **Review questions pages 59-63** **Questions** 31-34, 41-45, 49, 57-62, 66-69, 73-75, 77-82, 84, 90-91	Chapter 2 2.1 Graphing Data • Correctly graph data by determining where to graph the independent and dependent variables and choose correct scale. • Label graph with title and axes with units • Draw a conclusion for graphs. 2.2 Calculate Density given mass and volume 2.3 Identify if data is proportional by looking at a graph • Calculate the constant of proportionality (slope) of the graph 2.3 Dimensional analysis and Unit Conversions	STEM	

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	• Convert between units of the metric system • Convert between units using conversion factors and dimensional analysis 2.5 Scientific Notation • Convert from standard form to scientific notation • Convert from scientific notation to standard form
Pasco STEM Textbook Pages 126-138 **Review questions pages 139-** **Questions** 1-19, 24-32	Chapter 5 5.1 Position and Displacement • Define and state the difference between vectors and scalars • Calculate displacement, distance, speed, and velocity of objects. • Calculate velocity from a position- time graph • Interpret the shape of position-time graphs to find velocity and describe its acceleration • State that the slope of a position time graph means velocity. 5.2 Speed and velocity • Calculate slope of position-time graphs to find velocity • Interpret the shape of Velocity-time graphs to understand position and acceleration. 5.3 Solving Motion Problems • Use the formulas for velocity and displacement to solve motion problems.
Pasco STEM Textbook Pages 174-189 **Review questions pages 139-** **Questions** 1-17,20-34,	Chapter 7 7.1 Forces in equilibrium • Define load and reaction force • Draw a free-body diagram of all forces acting on an object • Recognize when an object is in equilibrium • Define equilibrium • Calculate the missing force when an object is in equilibrium

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	• Know that the unit of force is Newtons 7.2 Internal Forces • Define truss • Calculate the forces in a 45-45-90 triangle, given one of the forces 7.3 Moments in equilibrium • Define moment • Label all of the moments on a structure and recognize clockwise and counter-clockwise moments • Know the signs (positive, negative) of clockwise and counter-clockwise moments • Use the formula for moments to calculate the forces on a structure. 7.4 Strength of Members • Recognize and calculate cross-sectional area of a member	

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17-22	**القراءة**: المرأة صنو الرجل	
40-47	بطل الصحراء	
23-26	**البلاغة**: التشبيه والاستعارة	
48-50	المؤثرات الصوتية والمعنوية (المحسنات البديعية)	**اللغة العربية**
27-31	**الكلمة والجملة**: مصادر الأفعال الثلاثية وغير الثلاثية.	
22/47	الحروف الناسخة (تعزيز القواعد اللغوية)	
32-34	**الكتابة**: كتابة مقال إقناعي	
48-53	**الإملاء**: الألف اللينة في آخر الأفعال الثلاثية وغير الثلاثية	
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54-56	**الاستماع**: روح الحياة	

24-33	التفسير: الندامة بعد فوات الأوان	
34-43	الحديث: البر والإثم	
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62-68	الفقه وأصوله: مشروعية الزكاة وأحكامها	التربية الإسلامية
69-78	الفقه وأصوله: الأموال التي تجب فيها الزكاة	
80-87	السيرة: يوم حنين 8هـ	

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مدرسة قطر للعلوم و التكنولوجيا الثانوية للبنين
Qatar Science & Technology Secondary School for Boys

وزارة التربيــــــة والتعليــــم العالــــي
Ministry of Education and Higher Education
دولــــة قطــــر • State of Qatar

Integrated Math Book I **Pages: 1-48** **Page 59-62** **Pages: 63-132** **Pages: 133-178**	**Module 1 Expressions** 1-1 Numerical Expressions 1-2 Algebraic Expressions 1-3 Properties of Real Numbers 1-4 Distributive Property 1-5 Expressions Involving Absolute Value **Module 2 Equations in One Variable** 2-1 Writing and Interpreting Equations 2-2 Solving One-Step Equations 2-3 Solving Multi-Step Equations 2-4 Solving Equations with the Variable on Each Side 2-5 Solving Equations Involving Absolute Value 2-6 Solving Proportions 2-7 Using Formulas **Module 3 Relations and Functions** 3-1 Representing Relations 3-2 Functions 3-3 Linearity and Continuity of Graphs 3-4 Intercepts of Graphs3-5 Shapes of Graphs	**Mathematics**
الأجوبة النموذجية للأنشطة والتدريبات لوحدة الجغرافيا	الوحدة الأولى: الجغرافيا (موقع دولة قطر وأهميته الاستراتيجية)	الدراسات الاجتماعية
Pathways 2 **Pages 1-40**	<u>Unit 1</u> Vocabulary Critical thinking = Inferring meaning Reading Skill = Identifying the main idea Language Skill = Review the simple present tense Writing Skill = Writing a strong topic sentence <u>Unit 2</u> Vocabulary Critical Thinking = Analyzing problems and solutions Reading Skill = Identifying details Language Skill = Review of simple past tense	**English**

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Writing Skill = Supporting the main idea and giving details

General

Reading comprehension skills

      main idea

      supporting ideas/details

      giving reasons and examples

      sequence — logical order of events

      context

      inferring meaning

      identifying details

Writing skills

      Topic sentence

      Strong topic sentence vs. Weak topic sentence

      main idea

      supporting ideas & details

      Concluding sentence

      sentence & paragraph structure

      transition words/phrases (First, Secondly, Another, Also, In addition, Furthermore, Finally, etc.)

      paragraph/ essay structure & format

Grammar

      Simple present tense

      Simple past tense

      Base form of verbs

      Add -s to base form of verb for third-person singular subjects (he, she, it)

      Irregular present tense forms (be/do/have)

      Irregular past tense forms in affirmative statements

      Different forms for irregular past tense verbs (memorize)

      Negative statements — Use doesn't or don't and base form of verb

      Simple past form of -be

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	Simple past form of other verbs pronouns / nouns / verbs/ adjectives/ adverbs/ conjunctions	

مع تمنياتنا لأبنائنا الطلبة بالتوفيق والنجاح

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