

Academic Year السنة الدراسية	2023/2024
Term الفصل	1
Subject المادة	Science / Inspire العلوم / إيسباير
Grade الصف	6
Stream النسار	General العام
Number of MCQ عدد الأسئلة الموضوعية	15
Marks of MCQ درجة الأسئلة الموضوعية	60
Number of FRQ عدد الأسئلة المقالية	5
Marks per FRQ الدرجات للأسئلة المقالية	40
Type of All Questions نوع كافة الأسئلة	Paper Part / أسئلة مقالية / MCQs / أسئلة موضوعية
Maximum Overall Grade	100
Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation طريقة التطبيق	SwiftAssess & Paper-Based
Calculator الآلة الحاسبة	Allowed مسموحة

Question* السؤال*	Learning Outcome/Performance Criteria** نتائج التعلم / معايير الأداء**	Reference(s) in the Student Book (English Version & Arabic Version) المراجع في كتاب الطالب (النسخة الإنجليزية والنسخة العربية)		
		Example/Exercise مثال / تمرين	Page الصفحة	
الأسئلة المقالية - Paper part	1	Determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.	Textbook, figures	17, 21
	2	Compare between the different three states of matter and the processes that change between them	Textbook, figure, investigation	44, 45
	3	Explain how thermal energy transfer, and compare between closed and open systems, and assign source and received objects	Textbook, energy flow diagrams, lab	59, 60, 61, 63
	4	Describe the relationship between thermal energy transfer and mass, represent this relationship in diagram (draw it)	textbook, figures, 3D	78
	5	1. Assign all the processes that is involved in the water cycle on a diagram 2. label the global wind system, the convection cell and lines of latitude	textbook, figures, investigations	111, 112, 116 & 153, 177, 178
الأسئلة الموضوعية - MCQ	6	Explain how the particle movement and collision allow the spread of matter in terms of diffusion	Textbook, figures, investigation	12, 13, 14
	7	Define thermal expansion and thermal contraction and compare between them according to: energy change, temperature, particle movement, volume, ... Etc.	textbook, figures, 3D	17, 18, 19
	8	Plan an investigation to determine the relationships among the energy transferred in solids, the mass, the volume, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.	textbook, investigations, 3D	20, 24
	9	Differentiate between evaporation and boiling point	textbook, figure, table	40
	10	Differentiate between kinetic energy and potential energy	textbook, table, 3D	42, 43
	11	Describe and identify the features of heating curve and explain the reason of all the parts of it	textbook, figures, 3D	44, 51
	12	Differentiate between the methods of heat transfers: Radiation, convection, and conduction. & give examples	textbook, figures	61, 65
	13	Using bar graph Relate Specific heat of different materials to their ability in conducting heat (thermal conductor, thermal insulator)	textbook, graph	82, 83
	14	Relate Thermal energy and properties of materials, factors and relate it to Albedo	Textbook, figures	86, 161, 163
	15	Compare between thermal energy when changing through different states of matter (released or absorbed)	textbook, figure, 3D	119
	16	Define aquifers and ground water and label them on diagram	Textbook, figure, 3D	131, 132
	17	Define Coriolis Effect and explain the reason for their occurrence	Textbook, figure	181
	18	Explain how density current occurs	textbook, figure, 3D	184
	19	illustrate why ocean currents flow in certain direction, and recognise the global pattern that they form	textbook, figures, investigation, 3D	189, 190
	20	Compare between different types of fronts (air mass collision)	textbook, figures, table	213
* Questions might appear in a different order in the actual exam				
* تظهر الأسئلة بترتيب مختلف في الامتحان الفعلي				
** As it appears in the textbook (UAE Edition Grade 6 Inspire Student Edition) , LMS, and (Main_IP).				
** كما وردت في كتاب الطالب (كتاب الطالب الصف السادس العام - إيسباير طبعة دولة الإمارات العربية المتحدة) LMS والخطة الفصلية .				