

MARK SCHEME for the May/June 2010 question paper
for the guidance of teachers

**0417 INFORMATION AND COMMUNICATION
TECHNOLOGY**

0417/02

Paper 2 (Practical Test A), maximum raw mark 80

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

- CIE will not enter into discussions or correspondence in connection with these mark schemes.

CIE is publishing the mark schemes for the May/June 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



Contact list
 Address correctly added with name 2 marks

Field names identified 1 mark

Data types		
Size	numeric 1 dp	
Price	currency 2 dp	
Number	Integer	1 mark
Stock item	yes/no	2 marks

Ignore ID field – or other key fields

The data type determines the kind of values that users can store in the field. Press F1 for help on data types.

Heading	100% correct	1 mark
Search	on Skill level is Beginner	1 mark
Sort	on Make ascending	1 mark
Value	Calculated field Number x Price	2 marks
Format	Value field currency 2 dp	1 mark

Kites for Beginners

Make	Model	Size	Price	Skill level	Wind condition	Use	Number	Stock item	Value
Airush	Flow	10.0	€818.95	Beginner	Medium	Kite Surf	2	Yes	€1,637.90
Airush	Flow	5.0	€698.95	Beginner	High	Kite Surf	2	Yes	€1,397.90
Airush	Flow	15.0	€898.95	Beginner	Low	Kite Surf	2	Yes	€1,797.90
Flexifoil	Rage	3.5	€230.00	Beginner	Medium	Buggy / Land Board	3	Yes	€690.00
Flexifoil	Rage	1.8	€150.00	Beginner	High	Buggy / Land Board	2	Yes	€300.00
Flexifoil	Rage	6.0	€330.00	Beginner	Low	Buggy / Land Board	3	Yes	€990.00
Flexifoil	Rage	4.7	€280.00	Beginner	Medium	Buggy / Land Board	2	Yes	€560.00
Flexifoil	Rage	2.5	€180.00	Beginner	High	Buggy / Land Board	2	Yes	€360.00
Ozone	Cult	3.5	€229.95	Beginner	Medium	Land Board	2	Yes	€459.90
Ozone	Cult	2.0	€178.95	Beginner	High	Buggy / Land Board	2	Yes	€357.90
Ozone	Cult	6.5	€309.95	Beginner	Low	Buggy	3	Yes	€929.85
Ozone	Cult	2.0	€178.95	Beginner	High	Buggy / Land Board	2	Yes	€409.90
					Medium	Buggy / Land Board	2	Yes	€529.90
					High	Kite Surf	2	Yes	€962.00
					Medium	Kite Surf	0	No	€0.00
					Low	Kite Surf	0	No	€0.00
Peter Lynn	Hornet	4.0	€157.95	Beginner	Medium	Buggy / Land Board	2	Yes	€315.90
Peter Lynn	Hornet	3.0	€142.95	Beginner	High	Buggy / Land Board	2	Yes	€285.90
Peter Lynn	Hornet	2.0	€114.95	Beginner	High	Buggy / Land Board	2	Yes	€229.90
Peter Lynn	Hornet	2.0	€114.95	Beginner	High	Buggy / Land Board	2	Yes	€449.90

Data and labels	All fields fully visible	1 mark
Orientation	Landscape	1 mark
One page wide		1 mark
Data entry	3 records 100% accurate	3 marks

Footer	Name on left	1 mark
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Name, candidate number, Centre number Current Value of Stock €12,664.75

Sum	Total of Value	1 mark
Format sum	currency 2 dp	1 mark
Label	Current Value of Stock	1 mark

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Special offer on this kite
 Make: Ozone
 Model: Access XC
 Size: 4
 Price: 412.95
 Wind condition: High
 Name, candidate number, centre number

Special offer on this kite
 Make: Ozone
 Model: Access XC
 Size: 6
 Price: 455.95
 Wind condition: Medium
 Name, candidate number, centre number

Labels	2 side by side (selection produces 8 labels only)	1 mark
Heading	100% correct	1 mark
Search	Use contains Snowkite and Stock item is Yes	1 mark
		1 mark

Special offer on this kite
 Make: Ozone
 Model: Access XC
 Size: 8
 Price: 498.95
 Wind condition: Medium
 Name, candidate number, centre number

Special offer on this kite
 Make: Ozone
 Model: Access XC
 Size: 10
 Price: 520.95
 Wind condition: Low
 Name, candidate number, centre number

Sort	Ascending Price	1 mark
Data	Only specified fields, each on new line and fully visible	2 marks
	Field names printed, each on a new line and fully visible	1 mark
Text	Name and numbers at bottom of label	1 mark

Special offer on this kite
 Make: Ozone
 Model: Frenzy FX
 Size: 7
 Price: 635.95
 Wind condition: High
 Name, candidate number, centre number

Special offer on this kite
 Make: Ozone
 Model: Frenzy FX
 Size: 11
 Price: 718.95
 Wind condition: Medium
 Name, candidate number, centre number

Special offer on this kite
 Make: Ozone
 Model: Manta II
 Size: 10
 Price: 749.95
 Wind condition: Medium
 Name, candidate number, centre number

Special offer on this kite
 Make: Ozone
 Model: Frenzy FX
 Size: 13
 Price: 754.95
 Wind condition: Low
 Name, candidate number, centre number

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candidate number and Centre number

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Heading
Spelling correct, 26 point Serif font, underlined, centre aligned
2 marks

Power Kite Sports

Draft Report by: name

You may have tired of spending your holiday lying by the pool and have seen huge kites drifting over the beach and decide you would like the chance to try a new sport. You remember the little kites you used to fly on the beach when you were a child but this time you want to be a sport in a new way. These kites are designed to be flown over the sea and allow you to make them fly into the air. You decide to have

Subheading
Spelling correct, 14 point Serif font, Italic, right aligned
2 marks

A four line kite is needed for power kiting, where the kite is connected to a handle or bar, and, by pulling on the power lines, the kite will take off and rise. Pulling the brake lines causes the kite to land.



Image placed here
Align to top of text and align to right margin
1 mark
with text wrapped
1 mark
Resized to 5 cm high x 3.3 cm wide
1 mark

Page layout Section break here 1 mark

Over the last centuries kites held a fascination for scientists and were used for a means of transport

Paragraph Deleted here 1 mark

thought impossible, which seems strange now in our age of jet transport, but the development of the aerofoil shape of the kite wing led directly to an understanding of powered flight. Kites were used for scientific experiments, for rescue and had a role in war.

Body text
2 columns with 1 cm spacing 1 mark
10 point Sans serif font, single line spacing, fully justified 2 marks
Applied to all paragraphs with consistent one line spacing between 1 mark

first to be developed with the assistance of wind tunnel testing, and is an indication of how far kites have come since they were simply a child's toy. Today there is an experimental ship which uses a kite to supplement its power and to save fuel.

Traction growing kiting a snow k sports power the vehicle.

Document layout
Page size A4 1 mark
Orientation Portrait 1 mark
Margins 2 cm 1 mark

Here always follow:

- Do not attempt to learn power kiting without training
- Insure yourself with third party insurance
- Always wear safety protection (helmet and pads)
- Never fly near power lines, roads, airports, or trees
- Never fly in stormy weather
- Never touch the lines of a kite when under tension
- Never fly upwind of a group of people
- Never over estimate your own ability
- Use kite killers
- Never fly attached to a fixed point!

If you follow all these rules, you will also maximise your chance to have a great time flying your kites!

Bullets applied to correct text 1 mark

Before you use a kite to ride, you need to learn to fly it. A two line kite is easy to learn to fly. One line is attached to each wrist and you pull the left one to make the kite go left. Pull the right strap and the kite goes to the right. Landing these types of kites requires sending the kite to the edge of the window, making sure it is low in the window, and letting it land on the ground. The "window" is the cone shaped area down wind in front of you. At the top of the window the kite flies high and to the sides it will fly lower.

Footer
Date left 1 mark
Page no. right 1 mark

candidate number and Centre number

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Although you will probably start with you may soon want a larger or more Here are some small kites suitable some of which will still be suitable as you progress to intermediate skills:

Header **Candidate no. and Centre no. left** **1 mark**
Automatic file name right **1 mark**

here are These

J10kites Query1		
Model	Size	Use
Rage	1.8	Buggy / Land Board
Cult	2.0	Buggy / Land Board
Hornet	2.0	Buggy / Land Board
Reactor	2.2	Buggy
Blurr	2.5	Buggy
Cult	2.5	Buggy / Land Board
Rage	2.5	Buggy / Land Board
Reactor	2.9	Buggy
Hornet	3.0	Buggy / Land Board

include land boarding, snow kiting, buggy racing and paragliding. These sports generally match a similar sport so that a land board is similar to a skate board and for snow kiting you use a board similar to a snow board.

A kite buggy is a light, purpose-built vehicle powered by a traction kite (power kite). It is similar to a land yacht, but the driver steers the single front wheel with his feet, while he controls the kite, usually attached on a harness, with his arms. The speed achieved in kite buggies by skilled drivers can range up to around 110 km/h (70 mph), hence protective clothing, including a safety helmet, is commonly worn. The kite buggy was probably invented in China around the 13th century. It was introduced by George Pocock in the UK in 1827 and then available commercially in the USA and UK since the late 1970s.

This is 1 line

For kite surfing you need a special surf board as well as a suitable kite. These are generally in an area, and need to be inflated in shallow water. You will probably need a specific type of kite. Once you can reach exhilarating speeds over the water, you can jump and perform aerial stunts.

DB extract **Placed here** **1 mark**
Size <= 3 **1 mark**
Skill level Not Experienced **1 mark**
Use Not Kite Surf **1 mark**
3 specified fields
All text correct and visible within margins **1 mark**
Sorted ascending on size **1 mark**

Talk to any kite surfer and find out that you get professional lessons to the seas. Not only will this be fun, and that of others too, but it will give you the chance to try kite surfing without spending lots of money on kit you may not use. We help you to organise your holiday and suitable courses.

Worm air thermal currents are used to paraglide. Atmospheric conditions can be used to lift you in the air. Birds of prey can be trained to fly on their lead. Paragliding is a sport that can be done in any country, with many villages offering lessons. It is not just for fun, or you may take part in competitions if you become serious. You might take up kite surfing at resorts in Egypt, or book a snow kiting holiday to Norway. You might kite with your buggy in the sand dunes of Dubai, or paraglide from the mountains in the USA.

Here are some courses you might want to take:

Learn to use your kite safely		
Course	Level	Duration
Fly your first kite	Beginner	1 hour
Basic kite flying skills	Beginner	3 hours
Basic kite surfing techniques	Beginner	3 half days
Further kite surfing skills	Intermediate to Advanced	3 days

Table **In correct place** **1 mark**
3 columns and 6 rows **1 mark**
Data entry
100% accurate with text wrap and align to top of cell **2 marks**
Text style matches body text **1 mark**
Top 2 rows centre, underlined **2 marks**
Top row cells merged **1 mark**
Top 2 rows only shaded **1 mark**
Outside lines only 3 pt thick **1 mark**
No penalty if inner lines not shown

candidate number and Centre number

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The following chart indicates the growing popularity of kite sports:

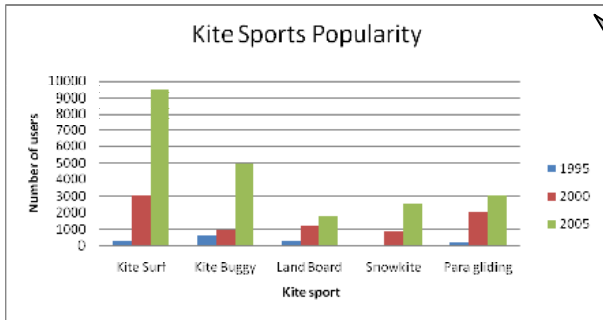


Chart	Placed here	1 mark
	Correct data in vertical bar	1 mark
	Accurate title	1 mark
	Legend identifies years	1 mark
	Category labels correct and fully visible	1 mark

No blank pages	
No widows/orphans	
No split lists over columns/pages	
No split tables/charts	1 mark
Document complete/paragraphs intact	1 mark

New message		
Address:	design.h@cie.org.uk	1 mark
CC	Event Organiser XXXX kites.events@cie.org.uk	1 mark
Subject line	Draft for Kite article	1 mark
Message text	Candidate details and The document you need for approval is attached.	1 mark
Attachment present	Document as saved by candidate	1 mark