

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
International General Certificate of Secondary Education

**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.

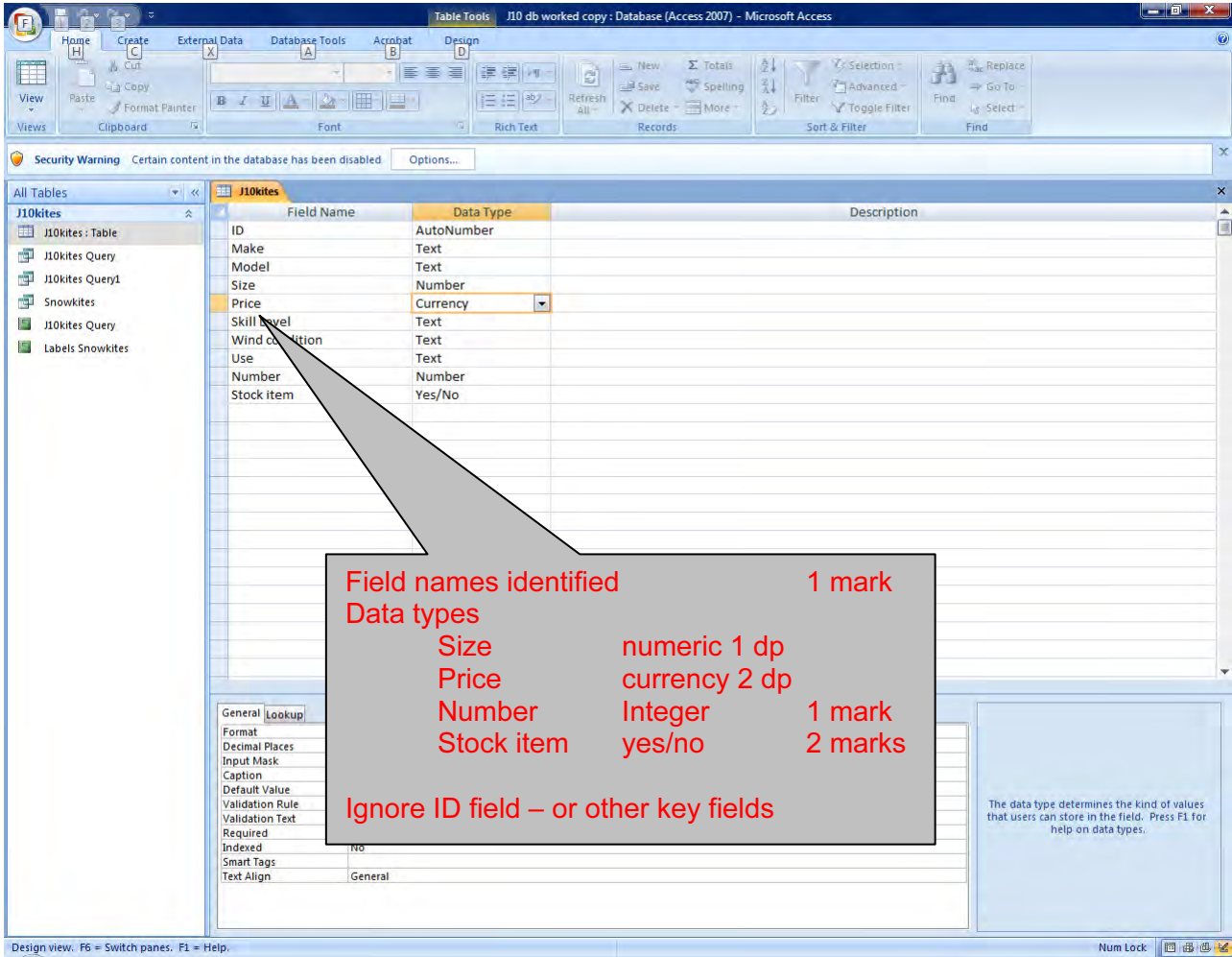
Mark schemes must be read in conjunction with the question papers and the report on the examination.

- 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



## Kites for Beginners

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

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	€229.95	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

<b>Page 4</b>	<b>Mark Scheme: Teachers' version</b>	<b>Syllabus</b>	<b>Paper</b>
	<b>IGCSE – May/June 2010</b>	<b>0417</b>	<b>02</b>

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

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

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

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

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

**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 thought it would be a sport in a new way. These kites are flown over the sea and allow you to make them fly to the air. You decide to have

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

**Page layout**      **Section break here**      **1 mark**

learned the name of the wind of modern power kites.

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.

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

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. 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. 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

- Here are some safety rules that you should 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**

**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 small kites, you may soon want a larger or more powerful kite. Here are some small kites suitable for beginners, some of which will still be suitable as you progress to intermediate skills:

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

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

These 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 used in a flat area, and need to be inflated with air. You will probably need a larger kite. Once you can handle a kite, you can reach exhilarating speeds over the water. You can also learn to jump and perform aerial stunts.

**DB extract** 1 mark  
**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 you will find that you get professional lessons. You can go to the seas. Not only will this 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. In the air, birds of prey lead. They, with their wings, fly over villages and the air. This is 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** 1 mark  
**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:

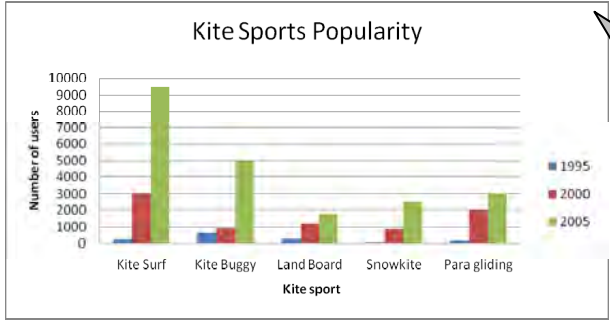


Chart	Placed here	1 mark
	Correct data in vertical bar	1 mark
	Accurate title	1 mark
	Legend identifies years	1 mark
	Category labels correct and fully visible	1 mark

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

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