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.

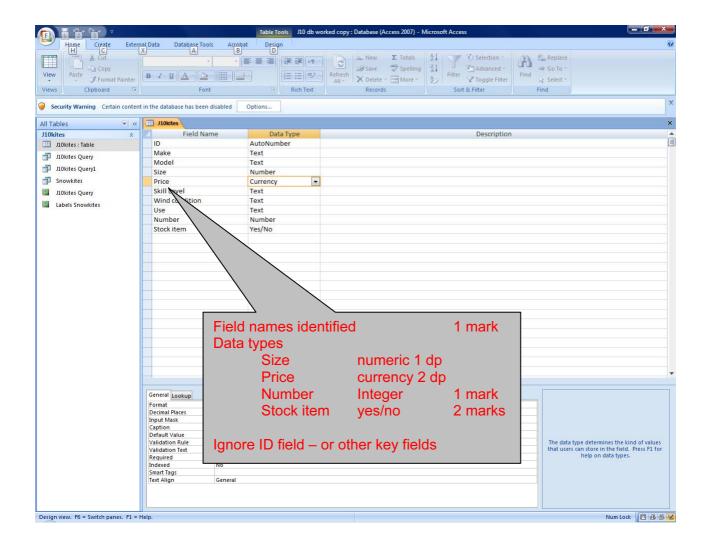
Mark schemes must be read in conjunction with the question papers and the report on the examination.

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.

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Contact list
Address correctly added with name 2 marks



Page 3	Mark Scheme: Teachers' version	Syllabus	Paper
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Kites for Beginners

Heading	100% correct	1 mark
Search	on Skill level is Beginner	1 mark
Sort	on <i>Make</i> 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 conditio	n 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		195 Beginner	High	Buggy / Land Board	2	Yes	€409.90
Data and la	abels	All fields fully visible	1 mark	Medium	Buggy / Land Board	2	Yes	€529.90
Orientation		Landscape	1 mark	High	Kite Surf	2	Yes	€962.00
One page Data entry	wide	3 records 100% accurate	1 mark 3 marks	Medium	Kite Surf	0	No	€0.00
Data Chiry		o records 100 /0 decarate	- Unano	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	Footer	Name on le	eft 1 mark	Buggy / Land Board	2	Yes	€449.90
Name, candid	ate numbe	er, Centre number			Current Value		€	12,664.75
			(Format sum co	otal of <i>Value</i> 1 mark urrency 2 dp 1 mark urrent Value of Stock 1 mark			

Page 4	Mark Scheme: Teachers' version	Syllabus	Paper
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Special offer on this kite Special offer on this kite

Make: Ozone Make: Ozone Model: Access XC Model: Access XC Size: 4 Size: 6

Price: 412.95 Price: 455.95 Wind condition: High Wind condition: Medium

Name, candidate number, centre number

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 1 mark
and Stock item is Yes 1 mark

Special offer on this kite Special offer on this kite

Make: Ozone

Model: Access XC
Size: 8

Price: 498.95

Wind condition: Medium

Make: Ozone

Model: Access XC

Size: 10

Price: 520.95

Wind condition: Low

Name, candidate number, centre number

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 Special offer on this kite

 Make: Ozone
 Make: Ozone

 Model: Frenzy FX
 Model: Frenzy FX

 Size: 7
 Size: 11

 Price: 635.95
 Price: 718.95

Wind condition: High Wind condition: Medium

Name, candidate number, centre number

Name, candidate number, centre number

Special offer on this kite Special offer on this kite

Make: OzoneMake: OzoneModel: Manta IIModel: Frenzy FXSize: 10Size: 13Price: 749.95Price: 754.95Wind condition: MediumWind condition: Low

Name, candidate number, centre number

Name, candidate number, centre number

Page 5	Mark Scheme: Teachers' version	Syllabus	Paper
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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

Rower Kite Sports

Draft Report by: name

by e pool and have seen huge kites the and decide you would like the and t. You remember the little kites on the beach when you but the to be a sport in a new These

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

A four line

1 mark

1 mark

Page layout

Section break here 1 mark

to the air Vou decide to have

kites.

maka

Over the last centuries kites held a fascination for

Paragraph Deleted here

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.

Tractio growing Rage size A4 1 mark Shows Ragins 2 cm 1 mark sports 1 mark 2 cm 1 mark 2 cm 2 cm 1 mark 2 cm 2 cm 1 mark 2 cm

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.

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 land. Image placed here Align to top of text and align to right margin

of an 1 fly yo with text wrapped 1 of the Resized to 5 cm high x 3.3 cm wide

tesized to 5 cm high x 5.5 cm wide 1 mark

Herel____always follow:

 Do not attempt to learn power kiting without training

needed

ardina.

two

lines

vide

are

- 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 wall these rules, you will also maximise your character 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

Syllabus Mark Scheme: Teachers' version Page 6 **Paper** IGCSE - May/June 2010 0417 02

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Use Not Kite Surf

3 specified fields

Skill level Not Experienced

Sorted ascending on size

Size ≤ 3

candidate number and Centre number

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Although you will probably start wi you may soon want a larger or mor Here are some small kites suitable

Candidate no. and Centre no. left Header Automatic file name right

1 mark here are 1 mark These

~araglide.

bspheric

h the air

birds of

eir lead.

ry, with

villages

the air.

just for

1 mark

1 mark

1 mark

1 mark

some of which will still be suitable as you progress

to intermediate skills:

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 Pocock in the UK in 1827 This is 1 line en available commercially

in the USA and UK since the late 1970s.

All text correct and visible within margins 1 mark

For kite surfing you need a spe-৺£board as well as a suitable kite. These are gen

DB extract

area, and need to be infl water. You will probably ne type of kite. Once you can exhilarating speeds over th to jump and perform aerial a

Talk to any kite surfer and that you get professional le to the seas. Not only will th

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.

iun, 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:

<u>Learn to use your kite safely</u>			
<u>Course</u>	<u>Level</u>	<u>Duration</u>	
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	

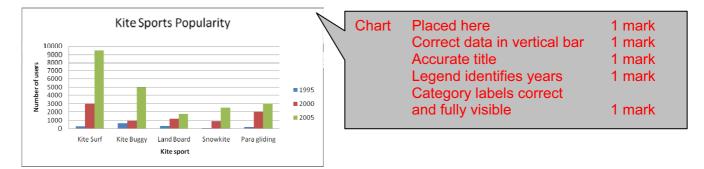
Table	In correct place 3 columns and 6 rows Data entry	1 mark 1 mark
	100% accurate with text wrap ar	nd align to
	top of cell	2 marks
	Text style matches body text	1 mark
	Top 2 rows centre, underlined	2 marks
	Top row cells merged	1 mark
	Top 2 rows only shaded	1 mark
	Outside lines only 3 pt thick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

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candidate number and Centre number

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The following chart indicates the growing popularity of kite sports:



No blank pages
No widows/orphans
No split lists over columns/pages
No split tables/charts
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