

<b>Centre Name</b>	
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<b>Centre Number</b>		<b>Candidate Number</b>	
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<b>Candidate Name</b>	
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The Moderator appointed by OCR will require a completed copy of this Skills Assessment Record for each of the candidates whose work is required for moderation. The assessed Science in the News report and cover sheet should be enclosed within this Skill Assessment Record for each of these candidates.

Centres will need to keep adequate records of the attainment of all of their candidates for GCSE Gateway Science, and may use this form as a means of keeping records. However, centres are free to devise and develop their own record-keeping systems, providing that such a system will (if required by OCR for moderation purposes) allow each candidate's performance in all of the Can-Do tasks and for the assessed Science in the News report to be verified by a Moderator.

### Summary of Skills Assessment Attainment

Can-Do Tasks	Mark out of <b>24</b>	
Science in the News Report	Mark out of <b>36</b>	
Transfer this total to the MS1 form and submit by May 15 <sup>th</sup> in the year of entry for this unit	<b>Total mark out of 60</b>	
Name of teacher completing this form		
Date of completion and submission of marks		Date

Candidate Name	Centre No	Candidate No

		Basic: 1 point Can-Do tasks	Date	Pt
1	B1a	I can measure blood pressure.		1
2	B1a	I can measure breathing rate/pulse rate before and after different types of exercise.		1
3	B1d	I can measure my field of view.		1
4	B1d	I can use Ishihara colour charts to identify colour vision deficiency.		1
5	B1f	I can use ICT to produce a poster warning old people about hypothermia and telling them how to prevent it.		1
6	C1a	I can heat a solid substance safely.		1
7	C1a	I can test for carbon dioxide.		1
8	C1c	I can test whether a substance dissolves in a solvent.		1
9	C1h P1a P1d P2a	I can accurately measure the temperature in °C.		1
10	C1h	I can measure the mass of an object using an electronic balance.		1
11	P1c	I can design a demonstration to show a convection current.		1
12	P1e	I can draw a ray diagram to show the path of a ray of light along an optical fibre.		1
13	P1e	I can identify analogue and digital signals on equipment.		1
14	P1h	I can calculate the time I can safely spend in the Sun from a knowledge of normal burn time and the SPF of a sun screen.		1
15	B2a B2b	I can use a simple key to identify some plants/animals.		1
16	B2b	I can classify some different organisms.		1
17	B2e	I can use a hand lens to observe a small animal.		1
18	B2f	I can identify a range of fossils.		1
19	B2f	I can use the internet to find out information about Charles Darwin.		1
20	B2h	I can use the internet to collect scientific information about extinct animals.		1
21	C2b	I can safely heat a sample of a chemical in a test tube.		1
22	C2c	I can mark on a map of the world ten locations of Earthquakes or Volcanoes.		1
23	C2e	I can distinguish, using experiments, between a sample of aluminium and iron.		1
24	C2h	I can measure the volume of gas produced in a reaction using a gas syringe.		1
25	C2h	I can measure the reaction time for a suitable reaction.		1
26	C2h	I can measure the volume of a liquid using a measuring cylinder.		1
27	P2a	I can use a voltmeter to measure voltage.		1
28	P2c	I can read a domestic electricity meter.		1
29	P2e	I can use a compass to find the direction of a magnetic field.		1
30	P2f	I can use ICT to produce a labelled model of our Solar System.		1

		<b>Intermediate: 2 point Can-Do tasks</b>	<b>Date</b>	<b>Pts</b>
31	B1a	I can do an experiment on fatigue in finger muscles and record the results.		2
32	B1b	I can carry out simple food tests.		2
33	B1b	I can calculate a BMI and make a decision as to what it indicates.		2
34	B1c	I can collect data from various sources for a named disease and identify danger sites on a world map.		2
35	B1d	I can collect, present and analyse data to compare the sensitivity of different areas of my skin.		2
36	B1e	I can collect scientific information from a variety of sources to show the effects of drugs or smoking on the body and display or present the information.		2
37	B1f	I can carry out an experiment on skin temperatures down an arm or leg and plot the results on a graph.		2
38	C1e	I can test for unsaturation.		2
39	P1a P1d	I can use a thermogram to identify areas of different temperature.		2
40	P1b	I can use secondary sources, e.g. the internet, to compare the effectiveness of different insulating methods of different combinations of insulating materials.		2
41	P1c	I can plot an accurate line graph of a cooling curve.		2
42	P1g	I can send and receive a message in Morse code.		2
43	B2a	I can collect data using a sampling technique.		2
44	B2c	I can measure the rate of photosynthesis by counting the rate of bubble release from pondweed.		2
45	B2e	I can use ICT to make a poster to explain how a camel/polar bear is adapted to its habitat.		2
46	B2f	I can use ICT to prepare an information leaflet explaining why the fossil record is incomplete.		2
47	B2g	I can plot a population graph.		2
48	B2h	I can use the internet to collect scientific information about various endangered species.		2
49	C2a	I can make a sample of paint with thermochromic properties.		2
50	C2d	I can extract a sample of copper from a copper ore such as malachite.		2
51	C2d	I can purify a sample of impure copper using the electrolysis of aqueous copper sulphate.		2
52	P2b	I can use an oscilloscope to measure the maximum voltage of AC.		2
53	P2c	I can use meter readings to calculate the cost of using electricity.		2
54	P2d	I can describe how to handle radioactive sources safely.		2
55	P2e	I can use a plotting compass to map the magnetic field around a coil or magnet.		2
56	P2g	I can make a telescope from a pair of lenses.		2
57	P2h	I can use ICT to find out about the stages of a star's life cycle and put the stages in the correct order.		2

		<b>Advanced : 3 point Can-Do tasks</b>	<b>Date</b>	<b>Pts</b>
58	B1b	I can carry out an experiment on enzyme action and record the results and conclusion.		3
59	B1h	I can use a genetics kit to show a monohybrid cross.		3
60	C1g	I can carry out an experiment to show that combustion of a hydrocarbon in a plentiful supply of air produces carbon dioxide and water.		3
61	C1h	I can do an experiment to find the energy output per gram of a liquid fuel.		3
62	P1a	I can carry out an experiment to find the energy needed to melt ice.		3
63	P1c	I can carry out an experiment to compare the performance of different insulating materials.		3
64	P1d	I can present a balanced argument in favour of or against the positioning of a mobile phone mast.		3
65	P1e	I can find the critical angle of glass / Perspex.		3
66	P1f	I can use information about transmitter location and frequencies to tune a radio.		3
67	B2a	I can investigate and compare different habitats.		3
68	B2b	I can present a report on the work of Carl Linnaeus.		3
69	B2c	I can test a leaf for starch.		3
70	B2h	I can use ICT to produce an information leaflet on one endangered species, showing reasons for its predicament and suggestions for its protection.		3
71	C2a	I can use a natural product to permanently dye a piece of cotton.		3
72	C2b	I can make and test samples of concrete for their strength.		3
73	C2e	I can carry out an investigation to find the optimum conditions for corrosion of a named metal.		3
74	C2g	I can measure the rate of a reaction that produces a gas.		3
75	C2h	I can investigate a reaction to find a suitable catalyst.		3
76	C2h	I can use experimental results such as volume of gas produced against time to determine the rate of reaction.		3
77	P2a	I can carry out an investigation to find out how the voltage produced by a photocell varies with distance from a light source.		3
78	P2b	I can use an oscilloscope to measure the frequency of AC.		3
79	P2c	I can find the energy transferred in an electrical circuit using an ammeter, voltmeter and a timer.		3
80	P2f	I can use data on sizes and distances to design a model of our solar system to fit inside the laboratory or onto the school grounds.		3

**Determining the total attainment on this component**

Choose the best **eight** highest scoring Can-Do Tasks which have been successfully completed.

Click in the points box at each of the **eight** Tasks which have been chosen.

		<b>Number of Tasks</b>	<b>Points</b>
Basic Tasks	1 point		
Intermediate Tasks	2 points		
Advanced Tasks	3 points		
<b>Totals</b>		<b>/8</b>	<b>/24</b>
<b>This total transfers to the box on Page one</b> 			