Stage 3	3 Science Assess	sment				Test 1	
Name:			Class:		Date:		
Raw So	core (42):	Criteria Score (24):		Level Aw	arded:		
(7	Jorking scientific Teacher assessed p to a maximum o	during practical, experim	ental and	investigationa	al work:		
3 P	lants						
1a. N	umber the differer	nt parts of the plant on the	diagram	pelow to mate	ch the nar	nes.	
	1. stem			- Su			
	2. flower	er .		T	(F)	<u> </u>	
	3. root			-	X	1 20	
	4. leaf				1))		
			8.7		$(\subset$		
	5. petal		-	/ //	M	1	
			1	11	(- 28
1 b . S	how what job eacl	n part of a plant does. Or	e has bee	n done for yo	ou.		
	petal	root		leaf		stem	
	attracts insects	makes food from sunlight	sup	pports the plant	l I	es up water nd nutrients	
·							ks (3:7)

wind	light	room to	grow	a pot	
sand	air	nutrien	ts	water	
					2
Explain how a plant gets	water from t	ne soil to its le	aves.		
					2
Circle the part of a plant t	hat is used n	nostly for repro	duction.		
flower	root		leaf	Ste	em
	1001				
Which part, in the life cyc	cle of a tree.		ral halp with?	Tials ONE have	
· · · · · · · · · · · · · · · · · · ·		could the saulf	iei lield willi:	LICK ONE DOX.	
	,	could the squir	rei neip with:	TICK ONE DOX.	
		could the squir			
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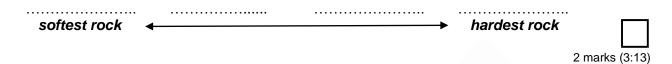
5a.	In a balanced diet, each food group has a seach food below is a good source of someton Draw THREE lines below to match each food	thing the body needs.			
	oranges, apples, carrots	Carbohydrates (fuel for energy).			
	bread, potatoes, rice	Vitamins (for health).			
	chicken, eggs, fish	Protein (for growth and repair).			
5b.	For a healthy, balance eat lots of fried food. eat different kinds of food. eat mainly meat. eat fruit and vegetables reg	ed diet you should:			
6.	The diagram shows the muscles and bone	es in an arm.			
6a.	What do the muscles allow the arm to do?				
6b.	Name one job that the bones perform?				
		2 marks (3:12)			

D Rocks

7. Four rocks were tested to see which was the **hardest**. Four objects were used to try to scratch each rock and the table shows which ones did.

Rock	finger nail	coin	matchstick	plastic knife
granite	*	*	×	*
chalk	✓	✓	✓	✓
sandstone	*	✓	×	✓
marble	*	√	×	*

Put the rocks in order from softest to hardest.



8. Here is a **fossil** of an ammonite.

It was a sea creature that died a very long time ago.

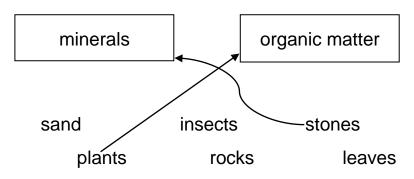
Describe how the fossil was formed.

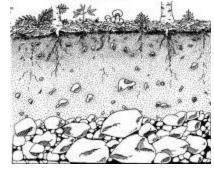


2 marks (3:14)

9. Here is a drawing of a section of soil. It is made up of different materials.

Group the materials below. Two have been done for you.





2 marks (3:15)

E 10a.		useful to fire fighters fighter need to use	a torch and how woul	d it help?	
10b.	Tick TWO boxes t	o show what could h	nelp protect your eyes	s from the sun.	
	flip flops	sun glasses	ice cream	sun cream	cap
11.	Tick TWO boxes t	o show which objec	ts are the best reflect	ors of light.	2 marks (3:16)
r	rubber boots	wooden spoon	woolly hat	metal kettle	foil dish 2 marks (3:17)

12. On a sunny day, some children use a rounders post to make shadows on the playground.

When light shines on the rounders post, a shadow forms.

Explain how the shadow is formed?

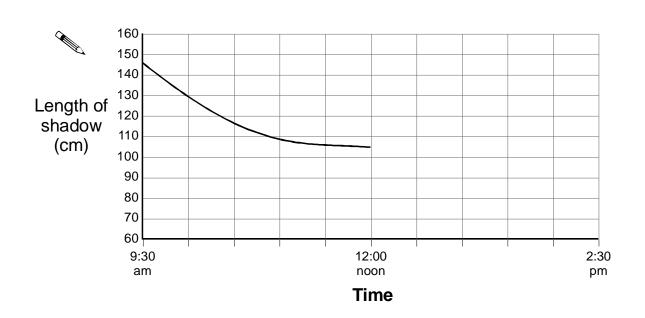
13. The children draw round the shadow of the rounders post every half hour from 9:30 am until 12:00 noon.

They measure the length of each shadow and make a line graph to show the results.

Continue the line on the graph to show how the length of the shadow would change between 12 noon and 2:30pm.



2 marks (3:18)



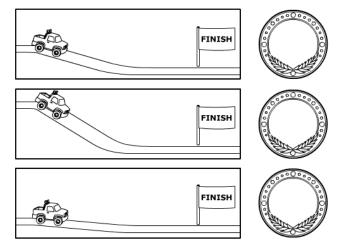
2 marks (3:19)

F Forces and magnets

14a. David races three **identical** toy cars. They travel down three **different** ramps.

They are all released at the same time.

Which car will finish first, second and third?
Write 1st (first), 2nd (second) and 3rd (third)
on the medals to show this.



14D.	Give a reason why you thought the winning car went the fastest.	
		_

2 marks (3:20)

Magnets

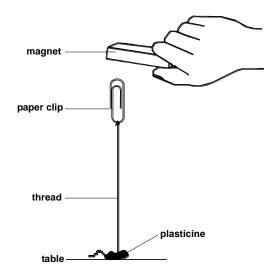
Sarah is investigating magnetism.

She ties a paper clip to a piece of thread.

She sticks the thread to the table.

She holds a magnet above the paper clip.

This is what happens.



15. In the picture there is a gap between the magnet and the paper clip.

What does this tell you about magnetism?

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	-		

2 marks (3:21)

16. What is the magnet	What is the magnet attracting? Put a tick () for Yes and a cross () for No .					
the table?	the thread?	the paper clip?	the plasticine? 2 marks (3:22)			
17. Sarah repeats her ex	kperiment using differen	t objects instead of the p	aper clip.			
Which of the following	g will act in the same w	ay as the paper clip?				
Tick TWO box	es.					
plastic pen	aluminium fo	il iron nail				
wooden lolly stick	steel spoon	rubber b	pand			
			2 marks (3:23)			
18a . Look at the magne	ts below. What do the I	N and S stand for at the e	end of the magnets?			
20		N =	•••••			
	8 00	S =				
18b. Tick the correct bo	x to say whether the ma	gnets shown above will a	attract or repel each other.			
attract		repel	2 marks (3:22/24)			