THE KENYA NATIONAL EXAMINATIONS COUNCIL

SBA SCIENCE AND TECHNOLOGY GRADE 4 SCORING GUIDE

No.	Expected response	Score	Comments
1(a)	The flower is likely to wilt/dry up and eventually die.	1	Accept any equivalent correct response.
1(b)	Growth.	1	Accept increase in size.
2(a)	No. A goat is a vertebrate because it has a backbone, while a grasshopper does not have a backbone.	1	Award for correct decision and reason.
2(b)	Backbone/spinal column.	1	Accept either.
3(a)	Any two: stomach ache, diarrhoea, vomiting, infection/disease.	2	1 mark each.
3(b)	Any two: wash hands before eating; eat a balanced diet; drink clean water; keep food clean.	2	1 mark each.
4(a)	Water takes the shape of the glass/container.	1	Accept equivalent wording.
4(b)	Any two: air occupies space; air has mass/weight.	2	1 mark each.
5(a)	Learner in picture **A**.	1	Award accordingly.
5(b)	Any two: prevents pollution; keeps surroundings clean; prevents spread of diseases; protects living things/environment.	2	1 mark each.
6(a)	Leaving the tap running while brushing teeth.	1	Accept equivalent observation from the picture.
6(b)	Turn off/close the tap while brushing teeth and only open it when needed.	1	Accept any practical waterconservation action.
7(a)	Any one: makes the toy car move; changes its speed; changes its direction.	1	Accept one correct effect.
7(b)	The rough floor produces friction that opposes the motion of the toy car, causing it to slow down.	2	1 mark for friction; 1 mark for opposing motion/slowing down.
8(a)	No. Opening the windows will not provide more light; clear glass allows light to pass through but opening the window does not create additional light.	1	Accept a correct reason linked to light.
8(b)	Any one: switch on electric lights; use another safe source of light.	1	Accept any suitable method.
9(a)	Cook the food first because heat is needed to cook food properly before eating.	1	Accept a correct reason.
9(b)	The food may remain uncooked and unsafe to eat.	1	Correct explanation.