



## THE KENYA NATIONAL EXAMINATIONS COUNCIL

### SCHOOL BASED ASSESSMENT SCIENCE AND TECHNOLOGY PROJECT GRADE 4 SCORING GUIDE

#### CHECKLIST FOR THE TASK

NAME OF THE GROUP .....

STRAND: ENVIRONMENT

SUB STRAND: AIR POLLUTION

This project assesses the following core competences: Critical thinking, communication and collaboration, imagination and creativity, digital literacy and learning to learn. Core values: Responsibility, love and respect.

STANDARDS: The learner can;

- make an air pollution detector using locally available materials.
- demonstrate how to use an air pollution detector.
- appreciate the importance of clean air.

Criteria	Indicators	Maximum score	Group's score	Teacher's Remarks
Sourcing and recording of information	a) Writes relevant short notes and sketching of an air pollution detector. (3) b) Writes some short notes and sketching of an air pollution detector. (2) c) Writes short notes without a sketch or draws a sketch without short notes. (1)	3		
Collecting materials for making an air pollution detector	a) Collects appropriate, enough locally available materials. (3) b) Collects appropriate but not enough locally available materials. (2) c) Collects locally available materials but not appropriate. (1)	3		
Making the air pollution detector	Aspects: <ul style="list-style-type: none"><li>Functionality</li><li>Durability</li><li>Proportionality</li><li>Aesthetics</li><li>Portability</li></ul> a) All the five aspects present. (5) b) Only 4 aspects present. (4) c) Only 3 aspects present. (3) d) Only 2 aspects present. (2) e) Only 1 aspect present. (1)	5		

Displaying the finished air pollution detector.	Aspects: <ul style="list-style-type: none"> <li>• Neatness</li> <li>• Visibility</li> <li>• Creativity</li> </ul> a) All the 3 aspects present. (3) b) Only 2 aspects present. (2) c) Only 1 aspect present. (1)	3		
Explaining how the detector works	Aspects: <ul style="list-style-type: none"> <li>• Correct content</li> <li>• Clarity of explanation</li> </ul> a) Both aspects present. (2) b) Only 1 aspect present. (1)	2		
Demonstrating how the detector works	a) Accurately demonstrates how the detector works (2) b) To some extent demonstrates how the detector works (1)	2		
Observing safety	a) Demonstrates safe handling of materials throughout the project (2) b) Rarely demonstrates safe handling of materials throughout the project (1)	2		
<b>TOTAL SCORE</b>		<b>20</b>		



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**GRADE 4 SCHOOL BASED ASSESSMENT**

**SCIENCE AND TECHNOLOGY PROJECT SCORE SHEET**

<b>S/N</b>	<b>Name of Learner</b>	<b>Learner's Score</b>
<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>6</b>		
<b>7</b>		
<b>8</b>		
<b>9</b>		
<b>10</b>		
<b>11</b>		
<b>12</b>		
<b>13</b>		
<b>14</b>		
<b>15</b>		
<b>16</b>		
<b>17</b>		
<b>18</b>		
<b>19</b>		
<b>20</b>		
<b>21</b>		

## ASSESSMENT SUMMARY

(Tick the appropriate group performance level)

SCORE RANGE	PERFORMANCE LEVEL	DESCRIPTION	GROUP'S PERFORMANCE LEVEL
16-20	4	Exceeding Expectation	
11-15	3	Meeting Expectation	
6 -10	2	Approaching Expectation	
1-5	1	Below Expectation	

Teacher's general comments on the group's performance

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Name of the teacher.....TSC No.....

Signature ..... Date of assessment .....

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