

COMPETENCE BASED CURRICULUM

JUNIOR SCHOOL

FORMATIVE ASSESSMENT

TERM ONE 2024

GRADE 7

Name……………………………………………….………………………………………………

Centre ………………………………………………………………….......................................

Assessment No. ……………………………………………… Stream………………………

Learner’s Sign……………………………………..… Date: ………………..…………………..

 **INTEGRATED SCIENCE**

FOR EXAMINERS

 ASSESSMENT RUBRICS (for official use)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| %SCORE RANGE | Below 40 | 40-59 | 60-79 | 80-100 |
| PERFORMANCE LEVEL | Below expectation | Approaching expectations | Meeting expectations  | Exceeding expectations |
|  | 1 | 2 | 3 | 4 |

1. State three components of integrated science. (3 mks)
2. ……………………………………….
3. ………………………………………..
4. ………………………………………..
5. Mention three importance of learning integrated science. (3 mks)
6. …………………………………………………………………………
7. …………………………………………………………………………
8. ………………………………………………………………………….
9. How Is Integrated Science useful in the following areas? (4 mks)
	1. Transportation.

………………………………………………………………………………………………………………………………………………………………………………

* 1. Medicine.

………………………………………………………………………………………………………………………………………………………………………………

* 1. Agriculture.

………………………………………………………………………………………………………………………………………………………………………………

* 1. Communication.

………………………………………………………………………………………………………………………………………………………………………………

* 1. Construction.

……………………………………………………………………………………………………………………………………………………………………….……..

1. Identify one accident caused by the following hazard. (4 mks)

|  |  |
| --- | --- |
| Hazard | Accident caused. |
| Acids and bases (chemicals) |  |
| Corrosives. |  |
| Electrical hazards (heating apparatus) |  |
| Glass apparatus |  |

1. What is the meaning of the following hazard symbol? (6 mks)



 

……………………………… ………………………… …………………….…



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1. Mention four components of a first aid kit. (4 mks)
2. …………………………………………………
3. …………………………………………………
4. …………………………………………………
5. …………………………………………………
6. When working in the laboratory, you must observe the following safety rules: Namely? (4 mks)
	1. ………………………………………………………………………
	2. ……………………………………………………………………….
	3. ……………………………………………………………………….
	4. ………………………………………………………………………..

7. Name four scientific skill one attains through learning integrated science.(4 mks)

1. ………………………………………………………….
2. ………………………………………………………….
3. …………………………………………………………..
4. …………………………………………………………...
5. State four Information that are found on a packaging label. (4 mks)
6. ……………………………………………………..
7. ……………………………………………………..
8. ……………………………………………………..
9. ……………………………………………………..

###### Differentiate between Basic quantities and derived quantities. (4 mks)

*…………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………*

1. State the SI unit and symbol for the following quantities.(10 mks)

|  |  |  |
| --- | --- | --- |
| Basic quantity | SI unit | Symbol |
| Mass |  |  |
| Length |  |  |
| Time |  |  |
| Temperature |  |  |
| Electric current |  |  |

1. What is the temperature reading in the following thermometer? (1 mk)



1. Work out the area of the following triangle. (3 mks)

 20cm

 30cm

1. State the Functions of the different parts of the Microscope.(4 mks)

|  |  |  |
| --- | --- | --- |
|  | PART | USE/FUNCTION |
| 1 | Eyepiece lens |  |
| 2 | Body tube |  |
| 3 | Stage |  |
| 4 | Arm |  |

1. Name the following heating instruments. (5 mks)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

1. State the Functions of the parts of a Bunsen burner.( 7 mks)

|  |  |
| --- | --- |
| Part | Function |
| Collar |  |
| Air hole |  |
| Chimney(barrel) |  |
| Base |  |
| Gas hose |  |
| Flame |  |
| Gas inlet |  |