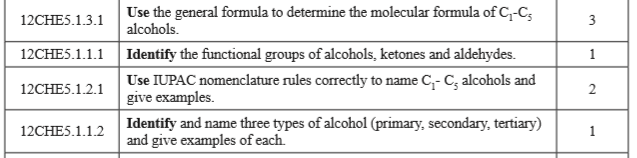
**Strand 5: Organic Chemistry**

Lesson 1 of Week 4, Term 2: **Alcohols, Ketones and Aldehydes**

Resource: Esa study Guide, Level 2 Chemistry, Chapter 14, online as well

The learning outcomes targeted in this activity are provided in the table below,

|  |  |  |
| --- | --- | --- |
| **SLO Code** | **SPECIFIC LEARNING OUTCOMES (SLO):** | **SKILL LEVEL** |



Activity

1. Identify/Point out the general formula of alcohols
2. Use the general formula to determine the molecular formula of C1 – C5 alcohols, structural formula and name them using IUPAC nomenclature rules.

|  |  |  |  |
| --- | --- | --- | --- |
| **Carbon Number** | **Structural formula** | **Molecular Formula Structure** | **Name** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |

1. Identify and name the three types of alcohol giving examples of each
2. State which is primary, secondary and tertiary alcohol and name each structure

