FINGERPRINT ANALYSIS

Using the materials provided record your finger prints on the card below

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| **Right Thumb** | **Right Index** | **Right Middle** | **Right Ring** | **Right Little** |
|  |  |  |  |  |
| **Left Thumb** | **Left Index** | **Left Middle** | **Left Ring** | **Left Little** |
|  |  |  |  |  |

Record the number of characteristics of your own finger prints

Loops \_\_\_\_\_\_\_\_\_\_\_ Arches\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Whorls \_\_\_\_\_\_\_\_\_\_\_\_\_

Write a prediction on whether these numbers will be the same or different when compared to the rest of the class.

Compare your results with those of the rest of the class. Complete the table below to document the frequency of features across the class

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Number of Prints | Number of Boys | Number or Girls | Total % |
| **Loops** |  |  |  |  |
| **Arches** |  |  |  |  |
| **Whorls** |  |  |  |  |

Finger Print Rubric

|  |  |  |  |
| --- | --- | --- | --- |
|  | High (3) | Medium (2) | Low (1) |
| Recording fingerprints | Student successfully use all of the materials provided to record all of their fingerprints with a high degree of detail | Student uses most of the materials provided to record most their fingerprints. Details are not always visible | Student is unable to record their fingerprints where details are visible |
| Identifying Characteristics | Students successfully identify all visible arches, loops and whorls on their fingerprints. | Students identify most of the visible arches, loops and whorls on their fingerprints | Students identify few of the visible arches, loops and whorls on their fingerprints |
| Class survey | Students question all of the students in the class and correctly record and document their results | Students question all of the members of the class, but results are not all correctly recorded and documented | Students do not interview all members of the class, and are unable to provide full results. |
| Predictions | Predictions made, recorded and student provides theories | Predictions made and recorded, but no theories suggested | Predictions made, but not recorded. No theories made |
| Short Answer Questions | All questions answered using full sentences | All questions answered, but full sentences not always used | Some questions answered, not in the form of a sentence |