ASJA Boys’ College Charlieville

**Science Form 2 Term 2**

Project Rubric

**Project Title: Model of a Filtration System**

**1. Scientific Principles – 5 marks**

Scientific principles of filtration using:

* Multiple filters in series – 1 mark
* Several separated stages – 1 mark
* Made of materials ranging from large particle sizes to smaller sizes to increase the level of purification. – 2 marks
* Residue is separate from filtrate – 1 mark

**2. Presentation – 5 marks**

Student presentation:

* Student is confident and speaks fluently during presentation – 1 mark
* Model is sturdy and demonstrates the scientific principles during presentation – 1 mark
* Student explains the theory behind the use of materials. – 1 mark
* Student explains the stages of filtration giving reasons – 1 mark
* Student displays a pleasant personality during presentation. – 1 mark

**3. Functionality – 5 marks**

Model Functions:

* Model functions as designed and delivers a pure filtrate – 5 marks
* Model functions as designed but does provide a pure filtrate – (deduct 1 mark)
* Model does not function as designed but filtration still occurs – (deduct 2 marks)
* Model does not function as designed and no filtration occurs – (deduct 3 marks)
* Model fails to properly demonstrate filtration – (deduct 4 marks)
* No model submitted – (deduct 5 marks)

**4. Adequate use of materials/resources – 5 marks**

The Creativity of students in making their model is tested.

* Use of household materials to build the model. – 1 mark
* Recycling demonstrated by student – 1 mark
* Model is neatly built. – 2 marks
* Chart/ labels accompanies the model during explanation. – 1 mark

**Total 20 marks**