**Lesson Plan**

**School Name**: ENDP KARUBANDA **Teacher’s name**: **RUGWIRO Jean François Régis**

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| **Term** | **Date** | **Subject** | **Class** | **Unit No** | **Lesson No** | **Duration** | **Class size** |
| First  |  05/09/ 2020 | Chemistry | S2 A |  I | 1of 12 | 80 MIN | **40**/41learners |
| **Type of Special Educational Needs and number of learners**  | **Visual Impairment (3):** Seat the learners so that they can see the teacher pointing to illustrations and see the teacher’s facial expressions and gestures as they read. |
| **Topic area:**  | ATOMIC STRUCTURE AND THE PERIODIC TABLE |
| **Sub-topic area:** | ATOMIC AND MOLECULAR STRUCTURE |
| **Unit title** | **Unit 1:** Chemical Bonding |
| **Key Unit Competence:** | To be able to relate the nature of bonding to properties of substances. |
| **Title of the lesson** | Formation of Ionic Bond and Properties of Ionic Compounds |
| **Instructional Objective** | **Using Google docs, slides and kahoot play games ,** Learners will be able to Describe **properly** the formation of ionic bond by electron transfer, state typical physical properties of ionic compounds and draw **accurately** dot and cross of ionic compounds |
| **Plan for this Class**  | Inside the studying hall  |
| **Learning Materials**  | Computer and projector, charts, internet, periodic table, Nacl, water, beaker and stirring rods |
| **References** | Ordinary Level Chemistry Syllabus, Secondary 2, REB, 2015Comprehensive Chemistry Student’s Book, Secondary 2 page 11-14. and Comprehensive Chemistry Teacher’s Guide, Secondary 2 |
| **Timing for each step** | **Description of teaching and learning activity** | **Generic competences and cross cutting issues to be addressed** |
| The teacher reviews previous knowledge of learners by asking few questions and guides the learners to carry out an activity to help them understand the concept of Stability of Atoms. |
| **Teacher activities** | **Learner activities** |
| **Introduction** 10 | 1. The teacher asks questions to review previous knowledge of learners by using **Kahoot :** Refer to this link <https://bit.ly/2Zbav98> 2. The teacher guide the learners to guess the new lesson title, *i.e.* ***ionic bonding.*** | Learners are Invited to answer the questions, using **www.Kahoot.it**Game PIN: **07051907** | **Generic competences:**-Communication: Learners discuss with each other **Cross cutting issue**: 1. Inclusive learning : As all learners participate in the discussions. 2. Gender education :As both boys and girls participate in the discussions |
| **Development of the lesson**35 min | 1)teacher provides the link of **Google slide** to search the formation of KF (<https://bit.ly/2FiETHm> ) 2)The teacher should ask the learners to carry out **Activities in pairs using the following document (**[**https://bit.ly/3i8rpwF**](https://bit.ly/3i8rpwF)): -to draw dot and cross diagram MgCl2-Take a sample of sodium chloride - What is the physical state of this salt? | -learners open provides the link of **Google slide** (<https://bit.ly/2FiETHm> ),  discuss about the formation of KF and imitating by drawing its dot and cross diagram in their notebook-each leaner open [**https://bit.ly/3i8rpwF**](https://bit.ly/3i8rpwF) **and**  draw ionic structure of MgCl2-from observation list physical properties of ionic compounds  | **Generic competences**-**Research and problem solving :** finding out physical properties of ionic compounds in books -**critical thinking** :guessing physical properties of ionic compounds from experiment - **team work :** The learners by working in pair**Cross cutting issue**: 1.Inclusive learning 2. Gender education Standard culture: drawing correct ions in ionic compounds with respective charges  |
| **Evalutation** **15 min****Conclusion**10 min | Giving learners evaluation using **Quizlet** questions**(follow this link** [**https://bit.ly/2Fau0aT**](https://bit.ly/2Fau0aT) **)**Help learners to make the summary of lesson | Learners work out those **Quizlet** questions individually **(follow this link** [**https://bit.ly/2Fau0aT**](https://bit.ly/2Fau0aT) **)**Summarize the lesson and write in their note books | **Generic competences**-Communication in official language **Cross cutting issue**: Standard culture: drawing correct ions  |
| **Teacher self-evaluation** |  |