**COLEGIO DE SAN IGNACIO, INC.**

Diversion Road, Buhangin, Davao City

A.Y. 2020 - 2021

**LEARNING PLAN FOR VIRTUAL CLASS**

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| **Name of the Teacher:** Mrs. Mirasol C. Ochia |
| **Subject:** General Mathematics |
| **Participants:** Grade 11 students |
| **Target Date/Time:** July 6, 2020, 1:00-2:00pm |

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| 1. **Learning Objectives:** 2. Represents real-life situations using functions, including piece-wise functions. ***(M11GM-Ia-1)*** 3. Define relation and function. 4. Appreciate the nature of relation which is function or not function. 5. **Topic**: Relation and Function 6. **Reference:**   Online Source: [*https://link.quipper.com/en/organizations/5b9201065650b059ff000158/curriculum#curriculum*](https://link.quipper.com/en/organizations/5b9201065650b059ff000158/curriculum#curriculum)  [*https://www.slideshare.net/yayang0130/relations-and-functions-66540774*](https://www.slideshare.net/yayang0130/relations-and-functions-66540774)   1. **Materials:**   Platform: Zoom/Microsoft Teams  Laptop/Cellphone  Earphones/Headset  Worksheets  Scientific Calculator | |
| **PRE-CLASS ACTIVITIES** | The teacher will let the students answer a self-assessment worksheet on how to create an equation given a real-life situation.  (The students can check the pre-class activity through a google classroom/Microsoft Teams) |
| **FACE TO FACE ACTIVITIES** | 1. *Preliminary Activity* 2. Greetings   *The teacher will introduce herself to the students.*   1. Checking of Attendance 2. House Rules 3. *Lesson Proper* 4. Review 5. Motivation  * The teacher will show a short inspirational video clip about different kinds of relationship.   Guide Questions:   1. Name two kinds of relationship that exist in the world right now. 2. Reflecting from the video, what category do you belong? Why? 3. Development of the Lesson  * The teacher will present this world problem to the class.   *A supermarket holds a closing-out sale. All merchandise is sold at 30% discount. For the convenience of the shoppers, the marketing supervisor consider a table of market prices (Php x) and their corresponding selling prices (Php y). A portion of the table is given and he/she needs your help to complete it.*  *Marked Price (Php x) 50 100 150 200 250 300 350*  *Selling Price (Php y) 35*  Task:  1. Suggest an equation relating x and y.  2. Complete the given table.   * Show to the class a set of ordered pairs, tables and graphs that are examples of relations and functions. * Help the class in defining a relation and function. * Discuss procedures used to verify if a given relation is a function.   Students’ answer on the self-assessment regarding the identification of relation which is function or not function will also be discussed.  Questions and Clarifications will be catered after the discussion.   1. Closure 2. In 5 minutes, express your own understanding of relation which is a function and a relation which is not a function. (In our group chat, write your name and the answer) 3. Reflection   Send your answer through my gmail account: [*cdsi.mochia@gmail.com*](mailto:cdsi.mochia@gmail.com) on or before 5 pm today.  In 50-70 words, elaborate your answer of the question below.   * *Why is that it is the best for every human being to have 1 partner for the rest of his/her life?*  1. Preview   Prepare to answer an activity 1 on Google classroom platform and assignment 1 on Quipper for the offline session. |
| **POST CLASS ACTIVITIES** | 1. Assessment   The students will answer a 10 item-quiz on Quipper about the Concept of Relation and Function  [*https://link.quipper.com/en/organizations/5b9201065650b059ff000158/curriculum#curriculum*](https://link.quipper.com/en/organizations/5b9201065650b059ff000158/curriculum#curriculum) |