**COLEGIO DE SAN IGNACIO, INC.**

Diversion Road, Buhangin, Davao City

A.Y. 2020 - 2021

**LEARNING PLAN FOR VIRTUAL CLASS**

|  |
| --- |
| **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 |

|  |
| --- |
| 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 TeamsLaptop/CellphoneEarphones/HeadsetWorksheetsScientific 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* 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) |