



Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION
SCHOOLS DIVISION OFFICE OF MUNTINLUPA CITY

Office of the Schools Division
Superintendent

MAR 28 2022

MEMORANDUM
NO. 066, s. 2022

**DIVISION CAPACITY TRAINING IN ROBOTICS VEXCODE VR TRAINING AND 3D
PRINTER OPERATION**

To: Asst. Schools Division Superintendent
Chief Education Program Supervisor, Curriculum Implementation Division
Chief Education Program Supervisor, School Governance and Operations Division
Public Secondary School Heads/Principals/OICs
All Others Concerned

1. Pursuant to Division Memorandum No. 288, s. 2021, this office will be conducting a series of training the trainers to some selected teachers from all public secondary schools in ROBOTICS. This activity is in collaboration with Hytec Incorporated and DOST-Muntinlupa Chapter.

March 29, 2022-Virtual via Zoom, 8am-5:00pm

March 30, 2022-Face to Face, 8am-5:00pm in Cupang Senior High School.

2. Attached are the schedule, training matrix and list of participants.

3. Dr. Armida S. Oblinada, Science Supervisor is the assigned Division Focal Person who will monitor its implementation.

4. Immediate and wide dissemination of this Memorandum is highly desired.


DOMINICO C. IDANAN CESO V
Schools Division Superintendent

Encl: As stated

Reference: none

To be indicated in the Perpetual Index
under the following subjects:

ACTIVITIES

LEARNING AREA, SCIENCE

ASO/DM – Division Capacity Training in Robotics Vexcode VR Training and 3D printer Operation
066 /March 22, 2022



Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,
Muntinlupa City
(02) 8805-9935, (02) 8805 - 9940
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VEXcode VR Training Matrix
DepEd Muntinlupa

DATE: January 19, 2022

TIME	EVENT	PERSONS INVOLVED	OBJECTIVES
9:00 am	Orientation and Welcome Remarks	Eman Esteras	1. To make sure that all attendees are well accounted for. 2. To make sure that all attendees understood the course of the training.
9:15 am	OVERVIEW: VEX Robotics (Website, Resources, STEMLabs, Certification, New updates, Competition)	Mary Ruth C. Arante	1. Identify the value of educational robotics in various educational settings. 2. Define the SPARK format of the STEM Labs and the primary use of each section. 3. Identify the categories and types of articles in the VEX Knowledge Base. 4. Identify how to be VEX Certified Educator 5. Discussion regarding the new updates of VEX Robotics 6. Identify how to join VEX Competitions
9:45 am	DISCUSSION: Introduction and Fundamentals (Block-based programming)	Patricia Abante	1. Getting Started with VEXcode VR Blocks 2. Opening an Example and Running Your First Project 3. Block Shapes and Their Meaning 4. Tips and Tricks with VEXcode VR
10:00 am	TRAINING: Moving your Robot using Block-based programming	Patricia Abante	1. Computer Science Level 1 - Blocks 2. Driving for Distance - Moving Forward and in Reverse 3. Change Parameters in the [Drive for] Block 4. Turning the VR Robot 5. Turn to Heading

10:20 am	Activity: Castle Crasher Challenge	Patricia Abante	1. To apply the fundamentals and complete the challenge
10:30 am	DISCUSSION: Getting Started with VEXcode VR Python	Patricia Abante	1. Code Colorization in VEXcode VR Python 2. Tips and Tricks with VEXcode VR Python
10:40 am	TRAINING: Detecting Walls from a Distance	Patricia Abante	1. What is a Distance Sensor? 2. Using Comparison Operators 3. Drive to the Letter 'A' 4. Adjusting Distances 5. Turning at a Further Distance
11:10 am	Activity: Wall Maze Challenge	Patricia Abante	1. To apply the fundamentals and complete the challenge
11:30 am	Planet HEXBUG (Hour of code- New Update	Mary Ruth C. Arante	1. To explore new Virtual World
11:45 am	Closing Remarks	Eman Esteras	

**Hytec Inc and DOST- MUNTAPARLAS Chapter
2 Day@ Robotics Training - March 29-30, 2022**

**List of Participants
Secondary Level**

Junior High School

SCHOOL (District 1 & 2)	School Head	Grade Level	Name (First Name, MI, Surname)
1. Muntinlupa National HS-Main	Dr. Antonio B. Rocha	10	Margaret C. Declaro Noel Quita
2. Muntinlupa National HS-TA	Dr. Ador B. Querubin	9	Arjay A. Flores Claudine Gorospe
3. Muntinlupa Science HS	Dr. Florante C. Marmeto	10	John Fitz Gerald M. San Pedro Jessie Ruiz
4. Poblacion National HS	Mr. David T. Libao	10	Dominga M. Bernardo Ann Beatriz S. Gamuzaran
5. Lakeview Integrated School	Dr. Rosendo E. Sangalang	8	James G. Gaviola Shyrein Mesina
6. Pedro E. Diaz HS	Mrs. Eden B. Binaday	10	Jeremie C. Almarinez Melanie Melegrito
7. Muntinlupa Business HS-Main	Mrs. Vilma S. Vilorio	10 10	Jeffrey M. Magbanua Gerardo L. Gueta
8. Muntinlupa Business HS-Annex	Mrs. Rochelle A. Jimenez	8	Mohandas Abolhassan M. San Pedro Cherryl Anne C. Pajarillo

Senior High School

SCHOOL	School Head	Grade Level	Name (First Name, MI, Surname)
1. Muntinlupa National HS- Main	Dr. Antonio B. Rocha	11/ 12	Rico P. Bantiles Paul Allen Gonzales
2. Muntinlupa National HS-TA	Dr. Ador B. Querubin	12	Norberto C. Sacopla Romeo C. Nobles Jr.
3. Muntinlupa Science HS	Dr. Florante C. Marmeto	12	Zarina T. Pabelonia Chandler Erickson A. Cachuela
4. Cupang Senior High School	Ms. Jinky C. Santos	11/12	Michael M. Santos Jannrei Anton T. Labuguen Selected Students from Grade 11