



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

**Office of the Schools Division
Superintendent**

NOV 03 2022

DIVISION MEMORANDUM
No. 253, s. 2022

**DIVISION PARTICIPATION IN 2022 MUNTINLUPA CITY
ROBOTICS FAIR & EXHIBITS**

To: OIC – Assistant Schools Division Superintendent
Chief Education Supervisor, Curriculum Implementation Division
Chief Education Supervisor, School Governance and Operations Division
Public Elementary and Secondary School Heads / OICs
All Others Concerned

1. This office announces the participation in the annual 2022 Muntinlupa City Robotics Fair & Exhibits on November 23-25, 2022 at Colegio De Muntinlupa, Posadas Avenue, Sucat Muntinlupa City.
2. All Elementary & Secondary schools are requested to exhibit their robotics kits in the 2022 Robotics Fair & Exhibits. They will be given designated area and participate in the different categories.
3. The off-session scheme will be observed in all student participants and must have a signed waiver while the teachers must have a school head consent in attending the said activity.
4. Attached is the schedule of activities.
5. Immediate and wide dissemination of this Memorandum is desired.


CARLEEN S. SEDILLA CESOV
Schools Division Superintendent

Encl: As stated
Reference: None
To be indicated in the Perpetual Index
Under the following subjects:

CONTEST	ACTIVITIES	LEARNERS
---------	------------	----------

ASO/DM- Division Participation in 2022 Muntinlupa City Robotics Fair & Exhibits
253 / November 2, 2022



Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,
Muntinlupa City
(02) 8805-9935, (02) 8805 - 9940
sdo.muntinlupa@gmail.com



IONet - IAF
ISO 9001:2015
Certified No: 18.1519.026



MEM. SYS
RvA C-02

3978

1003011

SCHEDULE OF ACTIVITIES (ROBOTICS FAIR 2022)

INGRESS: November 22, 2022 (Tuesday)

DAY 1 - November 23, 2022 (Wednesday)	DAY 2 - November 24, 2022 (Thursday)	DAY 3 - November 25, 2022 (Friday)
9:00AM-4:00PM Robotics Exhibits - Competing (Participants: Public and Private Schools in NCR) Robotics Exhibits – Non-competing - De La Salle Santiago Zobel School - Young Engineers	8:00AM-9:00AM Opening Ceremony - Opening Program - Ceremonial Ribbon Cutting of Exhibits and Bazaar	9:00AM-3:00PM Robotics Exhibits - Competing (Participants: Public and Private Schools in NCR) Robotics Exhibits – Non-competing - De La Salle Santiago Zobel School - Young Engineers*
9:00AM-4:00PM Tour to CDM Facilities (open to all guests)	9:00AM-4:00PM Robotics Exhibits - Competing (Participants: Public and Private Schools in NCR) Robotics Exhibits – Non-competing - De La Salle Santiago Zobel School - Young Engineers*	9:00AM-3:00PM Tour to CDM Facilities (open to all schools in NCR)
9:00AM-4:00PM PFST Exhibit (open to all schools in NCR)	9:00AM-4:00PM Tour to CDM Facilities (open to all schools in NCR)	9:00AM-3:00PM PFST Exhibit (open to all schools in NCR)
9:00AM-12:00PM Design to Fabrication with Additive Manufacturing: A 3D Printing Competition (open to Public and Private Schools in NCR)	9:00AM-4:00PM PFST Exhibit (open to all schools in NCR)	9:00AM-12:00PM Robotics Final Judging - Competing (open to all schools in NCR)
9:00AM-12:00PM Webinar Series (open to all schools)	9:00AM-12:00PM Robotics Cosplay (Participants: Public and Private Schools in NCR)	9:00AM-11:00AM Career Pathing Seminar – F2F (open to all guests)
1:00PM-3:00PM Robotics Exhibits Pre-judging - Competing (Participants: Public and Private Schools in NCR)	1:00PM-5:00PM Science Quest Quiz Show (open to all schools in Muntinlupa City)	9:00AM-3:00PM Robotics Forum/Drones Exhibit by the Miraculous Medal School (open to all schools) Battle of the Bots (open to all CDM Students)
		1:00PM-2:00PM Meet and Greet the Engineers (open to all attendees)
		3:00PM-5:00PM Closing Ceremony Awarding of winners of Robotics Exhibits, Robotics Cosplay, Science Quest Quiz Show, and 3D Printing Contest

1. *Robotics Exhibits* – this activity is categorized into three: (a)Design concepts, (b)Entry-level Prototypes, (c)Advanced-level Prototypes. This will showcase the innovations of the students in the field of robotics. This will be participated by high schools and college students in the National Capital Region.
2. *Robotics Cosplay* – this activity will feature students that will personify sustainable robotic technologies using recycled materials. This will be participated by junior and senior high school students in NCR.
3. *Philippine Foundation for Science and Technology Exhibit* – this is an interactive exhibit that will showcase the latest technologies in the field of robotics. For this year's exhibit, it will highlight the Science Technology Exhibits. This includes the DIWATA 1, DIWATA 2, and Maya 1 replicas. Diwata-1 was a Filipino-made microsatellite launched to the international Space Station on March 2016. The interactive exhibit also includes reaction wheels, near imagery infrared amateur radio unit, and satellite orbits. Students will have a glimpse on how it works and how it revolutionized the country's venture in aerospace.
4. *Design to Fabrication with Additive Manufacturing: A 3D-Printing Competition* - This 3D-Printing competition aims to introduce and promote the use of additive manufacturing in the creation of functional parts of a robot. This competition seeks to encourage the students to turn their ideas into reality by creating a computer-aided design (CAD) model and fabricate it using advanced technology where only the exact required amount of material is used, and customized parts based on specific requirements.
5. *ScienceQueST Quiz Show* - The ScienceQueST Quiz Show is a quiz bee for junior high school students that aims to reignite the competitive spirit amongst students, taking them up to the challenge in competing for questions under mathematics, science, DOST, sustainability, and Muntinlupa City trivia.
6. *Webinars* – The online webinar is composed of three topics: robotics development and implementation curriculum, additive manufacturing in the field of robotics, and the role of robotics in building sustainable cities and communities.
7. *Career Pathing Seminar* – The career pathing seminar aims to assist the students in choosing a career path and for them to have a clearer understanding of their career exploration process. The central topic will focus on how the students can seek opportunities to gain experience within their chosen career fields.
8. *Battle of the Bots* – This event highly encourages the adaptation of robotics technology through a context of battling and gaming machines. Students will design, build, and control combat robots to demonstrate their creativity, engineering skills, and driving ability.
9. *Drones Exhibit* – the drone exhibition aims to introduce promising students and creators to inspire new minds to enter this field. The fusion of drones and modern robotics paves the way to identify specific applications and its contributions to sustainability. In this exhibit, guest will have the opportunity to witness how drones work.