



Republic of the Philippines  
**Department of Education**  
Region VII, Central Visayas  
**DIVISION OF CEBU PROVINCE**  
Sudlon, Lahug, Cebu City



November 28, 2016

Division Memorandum  
No. 770 .s.2016

**MOBILE SCIENCE EXPOSITION**

To: Assistant Superintendents  
Education Supervisors/ Coordinators  
District Supervisors/OICs  
Elementary and Secondary School Heads  
Heads, Private Elementary and Secondary Schools

1. Attached is a letter from Madam Lailane P. Antonio, Marketing Associate, KP Kaunlarang Pangkabataan Production, Sticking Point Vision 2020 production dated November 24, 2016, entitled, " Mobile Science Exposition ".
2. Students and teachers are encouraged to learn and advocate science through awareness on Science and Technology. This is, however, purely voluntary for public and private schools in the Province of Cebu.
3. Immediate and wide dissemination of this Memorandum is desired.

  
**RHEA MAR A. ANGTUD, ED.D., CESO VI**  
Schools Division Superintendent

Telephone Numbers:

Schools Division Superintendent: (032) 255-6405

Accounting Section: (032) 254-2632

Disbursing Section: (032) 255-4401

Website: [www.depedcebuprovince.com](http://www.depedcebuprovince.com)

E-mail Add : [depedcebuprovince@yahoo.com](mailto:depedcebuprovince@yahoo.com)



# KAUNLARANG PANGKABATAAN PRODUCTION

STICKING POINT VISION 2020 production

*Dr. Mantolo*

Nov. 24, 2016

Date

*Mantolo*

Dr. Rhea Mar A. Angtud  
School Division Superintendent  
Cebu Province

**RE: MOBILE SCIENCE EXPOSITION**

Dear Mr/Mrs. Angtud,

Greetings from Kaunlarang Pangkabataan and the Sticking Point Vision 2020 Production !

May we bring to your good Division School a series of Mobile Science Exposition billed as Vision 2020 on Science and Technology for the year 2016-17. This company is a youth oriented group that focuses on inspiring student to their Dream and delivering purpose driven Science.

This unique event brings viewer a fun filled science concept with a dynamic interactions that last for one hour and a half (1 ½ hour) programming. This conveys Science Curriculum topic from Grade 4-10 and also focuses on understanding and adaptation to Climate Change.

This event, has a consideration of Php 50.00 per viewer and it requires a parents' consent before they can view the program. To have this event successful, we will need at least 75% of student enrollees in your school division as our viewer to deliver our mission in Science Advocacy and bring up the Pride of the Filipino Inventions and Innovations.

Please find attached details of the event for guidance of the program partners.

Sharing this opportunity would mean a lot to all of us as we uphold science advocacy towards global competition.

Sincerely yours

Lailane P. Antonio  
Marketing Associate

099288506439

# KAUNLARANG PANGKABATAAN PRODUCTION

## STICKING POINT VISION 2020 production

### INTRODUCTION

**"Imagination is more than knowledge" Albert Einstein**

Science and technology should be learned in the most interesting way. In order to achieve this, a mobile on the stage format science exhibition is organized with the aim to stimulate the creativity on science of the community in this area.

This exhibition will deliver a practical science concept with values integration for one hour and a half viewing. This will be presented in a hilarious mind twisting science approach. Thru this, students can easily adopt deep impression and impact on the technological advancement from before to nowadays industrial revolution. It is designed for indoor community hall visit of school students. Students will collaborate in thinking as they witness the evidence and formulating ideas from the simulations.

### OBJECTIVE

1. To stimulate the interest and creativity power of the youngsters on the field of science and technology.
2. To bring the facility from the city to provinces for the benefit of less fortunate students.
3. To inspire other Inventor/Innovator in every locality to put their idea to daily application so as to stimulate the economic development.
4. To create awareness on Science and Technology and its application to the nation in preparation to global competition.
5. To develop science-literate and science oriented citizenry in order to improve the quality of people of this nation.
6. To create values thru experiential learning in science.

### SCOPE OF EXHIBITION

A wider than school syllabus scope of exhibition is designed to expose the students from what they are learning to what they could learn beyond that. A stage show presentation of amazing practical sciences exhibition will be running for one hour and a half (1 ½ hour) that includes ingress and egress of the viewer. There will be four (4) batches of viewer per day, a capacity of 300 student viewers per batch. Parents Consents is highly recommended to submit before viewing starts. Below were the topic of our discussion and the Dep Ed Science Curriculum related topic from K4-K10 and the corresponding objective.

No. of Item	Science Expo Topic	Dep Ed Science Curriculum Reference	Objective
1	1. Brain or Heart - Singing and Reciting (Physical Understanding of Using Heart and Brain) singing the National Anthem Experiment . Riding the Bicycle, Swimming, Chopstick	1. Parts and functions of the Human body – Grade 6 2. Coordinated Functions of the Reproductive, Endocrine, and Nervous Systems – Grade 10	1. How the major organs of the human body work together to form organ systems 2. Organisms as having feedback mechanisms, which are coordinated by the nervous and endocrine systems and mechanisms help organism maintain homeostasis to reproduce and survive
2	1. Fluorescent Lamp – Agapito Flores vs. Dr. Eduardo San Juan Mercury Gas, recycling the bulb to no waste (Science Facts on Philippine Science History)	1. Doing Scientific Investigations Ways of acquiring knowledge and solving problems – Grade 7	1. Scientific ways of acquiring knowledge and solving problems
3	1. Thermal Cooker – Rice Cooker w/out Power Chord ( Wasting energy burns Fuel to Climate Change)	2. Light and Sound, Heat and Electricity Conductors of heat and electricity Effects of light and sound, heat and electricity – Grade 5	1. The effects of heat and electricity, light and sound, heat and electricity
4	1. Egg Don't Crush, Scientific Experiment (Pulang Itlog) mixed Cultural upbringing 7,000 holes of Egg, Eggs Breath with Oxygen	1. Effects of Force on Objects Shape, size and movement – Grade 4 2. Effects of Force on Objects	1. Animals have body parts that make them adapt to land or water

# KAUNLARANG PANGKABATAAN PRODUCTION

## STICKING POINT VISION 2020 production

	(Breathing on Climate Change)	Shape, size and movement – Grade 4	2. Force that can change the shape, size or movement
5	1. Salt and Ice – Dew and Frost Effect, Principle of Ice cream making (Understanding Factors affect Climate Change)	1. Changes that materials undergo Changes that are useful and harmful – Grade 4 2. Diversity of materials in the environment Solutions – Grade 7 3. Interactions in the Atmosphere Greenhouse effect and global warming – Grade 7 4. Climate Factors that affect climate Global climate phenomenon – Grade 9	1. Changes that materials undergo when exposed to certain conditions 2. Some important properties of solutions 3. The different phenomena that occur in the atmosphere 4. Factors that affect climate and how to adapt accordingly
6	Ice and Lard – Lard as protection from cold temperature	2. Animals – Grade 4	Animals have body parts that make them adapt to land or water
7	Flat iron – Energy conservation (Adaptation on Climate Change )	1. Light and Sound, Heat and Electricity Conductors of heat and electricity Effects of light and sound, heat and electricity – Grade 5 2. Heat, Heat transfer, Conduction, Convection, and Radiation – Grade 7 3. The Philippine Environment Protection and conservation of natural resources – Grade 7 4. Work Power and Energy Changes in form of mechanical energy Conservation of energy – Grade 9	1. The effects of heat and electricity, light and sound, heat and electricity 2. How heat is transferred 3. Relation of geographical location of the Philippines to its environment 4. Conservation of mechanical energy
8	Iron Board and the Aluminum Sheet	1. Light and Sound, Heat and Electricity Conductors of heat and electricity Effects of light and sound, heat and electricity – Grade 5 2. Heat, Heat transfer, Conduction, Convection, and Radiation – Grade 7 3. The Philippine Environment Protection and conservation of natural resources – Grade 7	1. The effects of heat and electricity, light and sound, heat and electricity 2. How heat is transferred 3. Relation of geographical location of the Philippines to its environment
9	T-Shirt Folding	1. Doing Scientific Investigations Ways of acquiring knowledge and solving problems – Grade 7	1. Scientific ways of acquiring knowledge and solving problems
10	One Bond Paper to carry heavy weight	1. Effects of Force on Objects Shape, size and movement Grade 4 2. The Particle nature of matter Elements, Compound and Mixtures Atoms and Molecules – Grade 8	1. Force that can change the shape, size or movement 2. The particle of matter as basis for explaining properties, physical changes, and structure of substance and mixture
11	How is Powerful One Girl of Three Boys – Fulcrum and Lever	1. Energy Energy transformation – Grade 6	1. How energy is transformed in simple machines 2. The relationship among heat,

# KAUNLARANG PANGKABATAAN PRODUCTION

## STICKING POINT VISION 2020 production

		2.How energy is transformed in simple machines	work, and efficiency
12	Birth Day Balloon – Understanding effect of Hydrogen Gas, Cell Phone to Explode, Public Safety	1. Changes that materials undergo Changes that are useful and harmful – Grade 4 2. The Particle nature of matter Elements, Compound and Mixtures Atoms and Molecules – Grade 8 3. Atomic Structure- Protons Neutrons, Electrons Periodic Table (PT) of Elements – Grade 8	1.Changes that materials undergo when exposed to certain conditions 2.The particle of matter as basis for explaining properties, physical changes, and structure of substance and mixture 3.The identity of a substance according to its atomic structure
13	Innovation Electronic Microscope	1. Parts and Functions Microscopy – Grade 7 2. Electromagnetic Spectrum – Grade 10	1. Identify parts of the microscope and their functions; 2.The different regions of the electromagnetic spectrum
14	RC Jeep toy – Rescue Toy, Infrared Vision or Night Vision	1. Forces that affect changes on the earth's surface Earthquakes Volcanic Eruption – Grade 6 2. Light Characteristics of light Intensity of brightness Color – Grade 7	1.The effects of Earthquake and volcanic eruption  2.The characteristics of light
15	Airship for Surveillance		
16	Quad copter for Surveillance	1. Force, Motion and Energy Laws of Motion Laws of Inertia Laws of Acceleration Laws of Interaction –Grade 8	1.Newton 's three laws of motion and uniform circular motion
17	Vinegar Rocket – Chemical Reaction application to rocketry	1. Changes that materials undergo Changes that are useful and harmful- Grade 4 2. Processes that Shape Earth's Surface Weathering and Soil Erosion – Grade 5 3. The Particle nature of matter Elements, Compound and Mixtures Atoms and Molecules – Grade 8 4. Atomic Structure- Protons Neutrons, Electrons Periodic Table (PT) of Elements – Grade 8	1.Changes that materials undergo when exposed to certain conditions 2.Weathering and soil erosion shape the Earth's surface and affect living things and the environment 3.The particle of matter as basis for explaining properties, physical changes, and structure of substance and mixture 4.The identity of a substance according to its atomic structure
18	Moon Buggy- Dr. Eduardo San Juan	1. Doing Scientific Investigations Ways of acquiring knowledge and solving problems – Grade 7	1.Scientific ways of acquiring knowledge and solving problems
19	Harvesting Hydrogen Gas from Aluminum and Acid – New Source of Energy (Adaptation on Climate Change- Using Garbage Can to produce Gas)	1. Properties Useful and harmful materials – Grade 5 2. Diversity of materials in the environment Solutions, Acids and bases – Grade 7	1.Properties of materials to determine whether they are useful or harmful 2.Some important properties of solutions 3.The common properties of acidic and basic mixtures
20	Unicycle – Center of Gravity	1. Gravitational and Frictional Forces – Grade 6 2. Force, Motion and Energy	1.Gravity and friction affect movement of objects 2.Newton 's three laws of motion



# KAUNLARANG PANGKABATAAN PRODUCTION

## STICKING POINT VISION 2020 production

		Laws of Motion Laws of Inertia Laws of Acceleration Laws of Interaction – Grade 8 3. Electricity and Magnetism – Grade 10	and uniform circular motion  3.The relationship between electricity and magnetism in electric motors and generators
21	Look He Can't Stand- Understanding Center of Gravity	1. Gravitational and Frictional Forces – Grade 6	1.Gravity and friction affect movement of objects
22	High Tide Affects underground Earth Movement	1.Gravitational and Frictional Forces – Grade 6 2. Forces that affect changes on the earth's surface Earthquakes Volcanic Eruption – Grade 6	1.Gravity and friction affect movement of objects The effects of Earthquake and volcanic eruption
23	Look at my Gun – Innovation on Military Hardware	1. Doing Scientific Investigations Ways of acquiring knowledge and solving problems – Grade 7	1.Scientific ways of acquiring knowledge and solving problems

### EVALUATION REPORT

Selected students will be asked to bring pen and paper for jotting down notes. They will also be held to evaluate the event on its contents and organizing performance. Relevant analysis will be established from the responses and a report to be compiled. This shall become one source of assessment for the company. Besides, related participating offices may also be provided a copy of the report as a part of their materials for research and development program.

### TARGET GROUP AND SCALE

The event is designed for Elementary (Grade 4 to 6) and High Schools students with the maximum capacity of 30,000 students in one division. Merging school viewers to form 2000 viewers per day per venue is an effective way of getting smaller school to comply with the numbers needed. It will be an open schedule until the consolidated groups of numbers of viewers have been identified.

### COORDINATION AND TARGET DATE

Official Division Coordinator will coordinate with the company and provide minutes of the meeting for proper information and guidance. Schedules of participating schools of this event will be determined by the Division Coordinator.

### VENUE

It require a social hall or a room that can accommodate 300 student per batch with a proper Audio/Video System for the on the stage performance.

### ADMITTANCE

A fee of Fifty (50.00 Peso) per student per admittance shall be imposed. However, all school teachers are invited on complimentary.

### PROCEEDS

A Php Fifteen(15 Pesos) per viewer proceeds goes to School Principal, Science Organization, Facilities and Utilities used on the said event.

### PARENTS CONSENT

Parents consent's is required to submit before the viewing starts for our reference. A generic format of parent's consent will be provided for every one's reference.



# KAUNLARANG PANGKABATAAN PRODUCTION

STICKING POINT VISION 2020 production

\_\_\_\_\_ Date

### PARENT'S CONSENT

TO WHOM IT MAY CONCERN:

This is to certify that my Child named \_\_\_\_\_ (Grade and Section ) \_\_\_\_\_ has my permission and consent to attend the Science Expo which will be held on \_\_\_\_\_ at \_\_\_\_\_ .

We also understand that the consideration of Fifteen pesos (Php 50.00) paid is for utilities, facilities, research and development of the said project.

Thank you.

\_\_\_\_\_  
Parents signature above printed name



# KAUNLARANG PANGKABATAAN PRODUCTION

STICKING POINT VISION 2020 production

\_\_\_\_\_ Date

### PARENT'S CONSENT

TO WHOM IT MAY CONCERN:

This is to certify that my Child named \_\_\_\_\_ (Grade and Section ) \_\_\_\_\_ has my permission and consent to attend the Science Expo which will be held on \_\_\_\_\_ at \_\_\_\_\_ .

We also understand that the consideration of Fifteen pesos (Php 50.00) paid is for utilities, facilities, research and development of the said project.

Thank you.

\_\_\_\_\_  
Parents signature above printed name