



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



June 26, 2014

Division Memorandum
No. **313**, s. 2014

THE SPACE SCIENCE ROADSHOW

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

1. Attached is Regional Memorandum No. 366, s.2014, dated June 24, 2014, entitled, " The Space Science Roadshow " with a letter from Ms. Arlene C. Terry, Chief Marketing Officer , NCEducational Resources and Interactive Events Services Inc. (NCeries Inc.)
2. The conduct of these activities for THE SPACE SCIENCE ROADSHOW are purely voluntary and non -compulsory in public and private schools in the Province of Cebu.
3. Wide dissemination of this Memorandum is desired.


ARDEN D. MONISIT, Ed.D.
Schools Division Superintendent

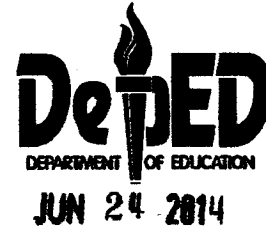
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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF EDUCATION
REGION VII, CENTRAL VISAYAS
Sudlon, Lahug, Cebu City



REGIONAL MEMORANDUM
No. 366, s. 2014

THE SPACE SCIENCE ROADSHOW.

To: Schools Division/City Superintendents
Officer-in-Charge of Regular Divisions
Heads, Public and Private Preschool, Elementary and High Schools
All Others Concerned

1. Attached is a letter from Airene C. Terry, Chief Marketing Officer, Nikki Coseteng Educational Resources and Interactive Events Services, Inc.(NCEREIS) inviting public and private schools to participate in the Space Science Roadshow.
2. The Schools Division Superintendents are given the discretion to act on this request and ensure that DepEd Policies and Guidelines are followed.
3. For details, refer to the attached communication.
4. Wide dissemination of this Memorandum is desired.


CARMELITA T. DULANGON, Ed. D.
Director III
OIC, Regional Director

CTD/lcj
CLMD '14

"Educating for a Strong Republic"

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NCERIES

NC Educational Resources and Interactive Events Services Inc.

Invited

DepED
DEPARTMENT OF EDUCATION
REGION VII-CENTRAL VISAYAS
RIZAL DR., LAMIG, CEBU CITY



RD2014-10925

18 - Jun

June 18, 2014

CARMELITA T. DULANGON

Director III

Officer-In-Charge

Department of Education

Region VII

Subject: ✓ THE SPACE SCIENCE ROADSHOW in all public and private preschool, elementary and high schools in Region VII for the Academic Year 2014 – 2015

Dear Dr. Dulangon:

Astronomy is dynamic and ever-changing. Astronomers around the world are working to further our knowledge. In 2010, we launched an Astronomy Awareness Program nationwide that inspired many students and encouraged them to start reaching for their stars by arousing their interest and curiosity about the wonders and intricacies of the universe and encouraging them to pursue a highly laudable career track in space science and technology.

✓ Now is the perfect time to learn more about the universe as there are lots of space missions and celestial events to look forward to. Conducting this Space Science Strategic Development Program will be beneficial and definitely entertaining for students. We work closely with business, government and academic leaders to develop an initiative that would expand access to state-of-the-art teaching tools, new programs and bolder experiences in bringing Math and Science to life.

The following are the activities for THE SPACE SCIENCE ROADSHOW ✓ a totally entertaining, informative and exciting school-based program suitable for all levels from pre-school, elementary and high school.

● ✓ **Station 1: The NCERIES Digital Mobile Planetarium**

A planetarium is an ideal fun environment for children and adults to learn about the Earth and our place in the Solar System. The planetarium is available for hire and is visiting schools nationwide. Every school can now avoid the headache and expense of organizing a fieldtrip to an off-site planetarium. Students experience and enjoy the use of this valuable teaching resource at a minimal cost.

● **Station 2: Film Showing**

We have a great collection of the latest age-appropriate astronomy movies. Teachers may choose which movie to play based on the school's science curriculum.

● **Station 3: Ask-An-Astronomer and Space Science EXHIBIT featuring**

- **ASTROPHOTOGRAPHS** – a collection of stunning photographs of the solar system, deep sky objects, space exploration and a lot more.



NCI RIES

NC Educational Resources and Interactive Events Services Inc.

- **METEORITES** -- Meteorites are among the rarest materials that exist in our planet – far less common than gold, diamonds, or even emeralds and are also the oldest things any human could ever touch. Though meteorites may appear to be just boring rocks, they are extremely important in that we can analyze them carefully in our labs.
- **OPTICAL ILLUSIONS** – The Science of Visual Perception

● **Other Activities** (*Provided the sky is clear and the weather is good, the following activities may be held*)

- ❖ **STARGAZING** – all participants gather at night for the actual observation of the night sky using high-powered telescopes designed to provide optimal viewing experience
- ❖ **SOLAR VIEWING** – participants get to observe the sun using our special solar telescopes
- ❖ **WATER BOTTLE ROCKET MAKING and LAUNCHING** – students enjoy making their own rockets using ordinary water bottles
- ❖ **TEACHER TRAINING** – To equip our educators with the necessary tools, knowledge and skills in teaching abstract Astronomical concepts to our students
- ❖ Surprise optional activities like **parlor games, trivia questions about the film, workshops and other exciting events** will surely amaze the students and will make this experience more fun and meaningful to them.

EVENT DURATION

The program runs for approximately ~~two and a half~~ **(2 1/2)** hours per batch (including digital mobile planetarium show, film showing and exhibit/open forum). Students who opt to join the stargazing activity must secure parent's consent and waiver and will have to stay in the venue from 6 P.M. until 9 P.M.

TARGET DATE OF IMPLEMENTATION

School may choose the most suitable date and time for their students to engage in this educational program. However, reservation must be done at least a month before the school's target date.

CONTACT DETAILS

For bookings, incentives, discounted rates, schedules and other details and inquiries, please feel free to contact:

Chief Marketing Officer: AIRENE C. TERRY

Office Address: 414 JocFer Bldg. Commonwealth Avenue, Quezon City



NCERIS

NC Educational Resources and Interactive Events Services Inc.
Mobile Number: 0917.8909993 (Globe) / 0918.4449993 (Smart)
Email Address: admin@nceries.com

In this connection, we would like to request permission and endorsement from your good office to conduct these voluntary, non-compulsory astronomy strategic development activities in public and private schools in Region VII. We will work closely with your office to develop a program that meets the Department of Education's mission and vision and to help the students recreate themselves and discover their place in the universe.

Thank you and Mabuhay!

Happy Trails,

AIRENE C. TERRY
Chief Marketing Officer
NCeries Inc.

PROJECT PROPONENT

NCERIES, Inc. (Nikki Coseteng Educational Resources and Interactive Events Services, Inc.)



NCERIES, Inc. is an innovative company committed to increasing the Filipino students' interest in math and science education by engaging them in hands-on, interactive activities. The highly entertaining empowering programs of NCERIES, Inc. include the travelling and engaging Space Show.

NC SPACE TECHNOLOGY CENTER

The NC Space Technology Center is a complete resource for space technology and astronomy education in the Philippines. It features educational exhibits, services, and equipment to enhance the study of astronomy and inspire young people to be future scientists.

NC SPACE DOME (DIGITAL MOBILE PLANETARIUM)

The planetarium is available for hire and is visiting schools nationwide. Every school can now avoid the inconvenience and expense of organizing a fieldtrip to an off-site planetarium. Students experience and enjoy the use of this valuable teaching resource at a minimal cost.

A planetarium is an ideal fun environment for children and adults to learn about the Earth and our place in the Solar System. Interactive shows encourage the students to participate and ask questions. All presentations include a tour of the night sky and main constellations.

RATIONALE

The study and use of ASTRONOMY is as old as civilization itself. Our curiosity and fascination with the universe beyond the horizon has driven us to attempt to interpret the nature of what is observed of the universe. It has also taught us the practical value involved in understanding the movements and appearances of celestial objects. Examples of important celestial influences on our culture and the way we live are the seasons, the tides, navigation, and the establishment of the basic units of time. Subtly but profoundly, influences of astronomy are also found in art, mythology, literature and music. Because of this inherent interest and the accessibility of the subject, astronomy can be used more efficiently to teach problem-solving skills among the students. Teaching astronomy, on the other hand, is made easier and more interesting with the use of Planetariums.

ASTRONOMY IN GENERAL

"...the study of Astronomy is of the highest value as an intellectual training. No other science so operates to give us on the one hand just views of our real insignificance in the universe of space, matter, and time, or to teach us on the other hand the dignity of the human intellect as the offspring, and measurably the counterpart, of the Divine; able in a sense to "comprehend" the universe, and know its plan and meaning..." – Charles A. Young (1834 – 1908)

GENERAL OBJECTIVES

- Promote astronomy awareness among students nationwide;
- Help Filipinos rediscover their place in the universe;
- Implement fun, interactive and educational activity that would serve as a helpful discussion starter and teaching tool.
- Empower the students to grasp abstract astronomical ideas and events and make them realize the impact of astronomy and other sciences in our daily lives, and understand how scientific knowledge can contribute to a more equitable and peaceful society.

THE SPACE SCIENCE ROADSHOW

● **SPACE DOME** (Digital Mobile Planetarium)

A simulated display of the day and night-time sky and celestial objects that engages the students in a personal sense of wonder and discovery in a unique digital environment.

● **FILM SHOWING**

We have a great collection of Astronomy Videos that can be used to aid the students in their quest to understand what lies beyond the unknown universe.

● **EXHIBIT AND ASK-AN-ASTRONOMER ACTIVITY**

Our exhibit features NASA space photos, a collection of authentic meteorites, and optical illusions to introduce the science of visual perception to our students.

NASA SPACE PHOTOS

We have a collection of stunning photographs of the solar system, deep sky objects, space exploration and a lot more.

METEORITE EXHIBIT

This is our collection of authentic meteorites.

OPTICAL ILLUSIONS

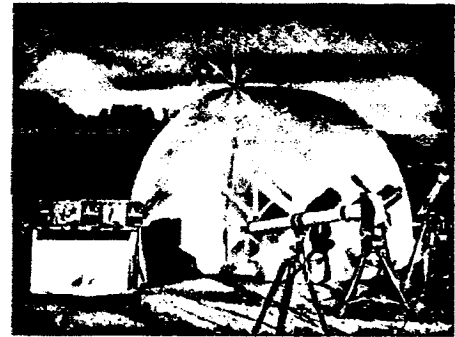
These are visually perceived images that differ from objective reality.

ASK-AN-ASTRONOMER ACTIVITY

Our astronomers provide first-rate and easy-to-digest astronomical information to students and teachers. This activity is a combination of curriculum related material and the latest scientific discoveries (customized at an appropriate level for the age and ability of the students) all under a precise presentation wrapped up in an enthusing, motivational live discussion. Students are given the chance to unveil their innate curiosity and fascination about the universe around us. It's an ask-all, tell-all moment for our budding scientists.

● **OTHER ACTIVITIES** (*Weather permitting, the following activities may be held*)

- ❖ **SOLAR TELESCOPE VIEWING** – students get the chance to experience actual viewing of the Sun. Solar telescopes usually detect light with wavelengths in, or not far outside, the visible spectrum.
- ❖ **STARGAZING** – all participants gather at night for the actual observation of the night sky using high-powered telescopes designed to provide optimal viewing experience



NOMINAL DURATION

The program runs for approximately two and a half (2 1/2) hours per batch (including the space dome show, exhibit, film showing and ask-an-astronomer). Students who opt to join the stargazing activity must stay until evening with parent's consent and waiver for the actual observation of the stars and the planets.



TARGET VENUES

Events shall be held within school premises and/or areas with the following logistical requirements:

- a. An empty covered area for a Planetarium (actual size of the dome is 7 meters in diameter and 4.5 meters high; a covered court or gym would be ideal)
- b. An airconditioned Audio-Visual Room or a regular classroom for the Film Showing
- c. A room or spacious and secure hallway/area for the photo and meteorite exhibit
- d. Electrical outlets and ample power supply (we require 100 amperes)
- e. Security personnel
- f. Parents' consent/waiver for students who intent to join the stargazing/telescope viewing at night
- g. Standby Medics/First Aid Kit

Target Date of Implementation

School may choose the most suitable date and time for their students to engage in this educational program. However, reservation must be done at least a month before the school's target date.

As a nationwide activity, this program is expected to run starting July until March of each Academic Year. Summer programs are available upon request.

Target Participants

We have programs available for all levels: pre-school, Grades 1-3, Grades 4-6, Grades 7 & 8, Grade 9 and up and also programs for the Tertiary Level.

Minimum of 600 participants per day for private schools and 800 participants per day for public schools.

Maximum of 1,200 participants per day both for public and private schools.



Sen. Nikki Coseteng, pioneer of the country's 1st Astronomy Awareness Program.

CONTACT US: NCERIES Marketing Department

For discounts, incentives and special arrangements, please feel free to call us anytime.

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