



Republic of the Philippines
Department of Education
Region VII, Central Visayas
Province of Bohol
TAGBILARAN CITY DIVISION
City of Tagbilaran



November 15, 2016

DIVISION MEMORANDUM
No. 667s. 2016

THE NCERIES SPACE SCIENCE AND OCEANARIUM ROADSHOWS

To: All Public Elementary and Secondary School Principals

1. For the information and guidance of all concerned, attached is a communication from NC Educational Resources and Interactive Events Services Inc. (NCERIES) which was received last September 5, 2016 inviting all Students/pupils and teachers to avail of their school and module-based activities suitable for all levels from pre-school, elementary, junior and senior high schools.
2. For details please refer to the attached communication from MISS SHAIRA MAE TIMOLA, Marketing Officer of NCERIES or contact +63933-592-8268 or email address at nceries.inc@gmail.com/admin@nceries.ph.
3. Participation and expenses relative to these activity is on voluntary basis only.
4. Immediate dissemination of this memorandum is enjoined.


VIRGINIA C. ZAPANTA EdD, CESO V
Schools Division Superintendent



DR. VIRGINIA C. ZAPANTA

Superintendent

Division of TAGBILARAN CITY, BOHOL

Department of Education

Republic of the Philippines

Subject: THE NCERIES SPACE SCIENCE AND OCEANARIUM ROADSHOWS

Dear DR. ZAPANTA:

Greetings of peace and prosperity!

Thank you for giving us the privilege to introduce the NCERIES Space Science and Oceanarium Roadshows, the flagship activities of NCERIES, Inc. a company founded to promote Space Science in the Philippines and create awareness on the subject, thereby creating a sense of excitement and wonderment of each one's place in this vast universe. We believe in science as a new career path wherein Filipinos, given the proper early exposure, have an overwhelming potential to excel in.

The NCERIES Space Science and Oceanarium Roadshows are innovative school and module-based activities suitable for all levels from pre-school, elementary, junior and senior high schools and even tertiary level. With our interactive activities, tools, thrills and events, we inspire students through excellence and action.

We collaborate 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 stations of the Roadshow.

For the **NCERIES SPACE SCIENCE ROADSHOW**

- **Station 1: The NCERIES Digital Mobile SPACE DOME**
- **Station 2: Film Showing**
- **Station 3: Ask-An-Astronomer**
- **Station 4: Water Bottle Rocket Making and Launching**
- **Optional Bonus Activity:**

STARGAZING – participants gather at night for the actual observation of the night sky using high-powered telescopes designed to provide optimal viewing experience (*provided the sky is clear and the weather is good*)

DEPARTMENT OF EDUCATION
TAGBILARAN CITY SCHOOLS DIVISION

RECEIVED

BY: Jean TIME: 10: 9am

DATE: 9/15/16 CTR #: _____

SPACE SHOW

The NCeries Space Science Roadshow is a complete resource provider for space technology and astronomy education in the Philippines. It features educational exhibits, services, and state-of-the-art equipment to bring space science to life.



SPACE DOME

The digital planetarium features a glimpse of the universe simulated in a 360-degree display of celestial objects in a unique digital environment.



FILM SHOW

A collection of astronomical movies showcasing technological breakthroughs in space science.



ASK-AN-ASTRONOMER

Interactive one-on-one discussion between astronomers and participants to unveil the innate curiosity and fascination about the universe.



ROCKET LAUNCHING

Live rocket making and launching using water bottles to demonstrate the actual experience of space flight.



STAR GAZING

A bonus activity for participants to gaze at the stars and witness an intimate view of the galaxy.

3D SILVER SCREEN SHOW

The Oceanarium experience transport audiences to the spectacular hidden depth of the Ocean in 3D Silver Screen! A deep sea adventure that will bring you in a world of breathtaking colors and beauty of the marine life.



OCEAN DOME

A deep sea exploration, unveiling the mystery and beauty of the deep sea with a 360-degree display of rarely seen marine creatures and organisms in a digital dome theater.



INTERACTIVE STATION

A collection of fun and interactive activities.

- Educational Games
- Photo Booth
- Bubble Machine
- Water Sports Exhibit



The NCeries Oceanarium Roadshow is an exciting, engaging and engrossing exploration of Earth's oceans, using the immersive power of the digital dome theater and 3D Silver screen.

OCEANARIUM

NCERIES, INC.

In 2010, Senator Nikki Coseteng pioneered the Astronomy Awareness Program and has inspired the Filipino educational system nationwide to start reaching for their stars.

NCeries Inc. has established itself as an innovative company committed to increase the Filipino students' interest in math and science education by engaging them in hands-on, interactive activities.

Today, the NCeries Interactives has become the leading educational program in the Philippines showcasing highly entertaining and empowering events which include the recognized Space Show program and the first of its kind in the country, the Oceanarium program.



WE BRING OUT THE GENIUS IN EVERY CHILD.

BOOK YOUR EVENT AT NCERIES NOW!

SPACE SHOW

- Space Dome Film Show
- Space Science Exhibit
- Ask-An-Astronomer
- Rocket Making and Launching
- Star Gazing

OCEANARIUM

- Ocean Dome
- 3D Silver Screen Film Show
- Interactive Station

CONTACT US

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facebook.com/NCERIES



Nikki Coseteng Educational Resources and Interactive Events Services Incorporated

EXPERIENCE.
EXPLORE.
LEARN.

PROJECT PROPONENT

NCeries Inc. (N+C Educational Resources and Interactive Events Services Inc.)

NCERIES

NCERIES



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 Science Roadshow.

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 field trip 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 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

- ① Promote astronomy awareness among students nationwide;
- ① Help Filipinos rediscover their place in the universe;
- ① Implement fun, interactive and educational activity that would serve as a helpful discussion starter and teaching tool.
- ① 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

NASA SPACE PHOTOS

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



METEORITE EXHIBIT

- 🕒 This is our collection of authentic meteorites.

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.



WATER BOTTLE ROCKET MAKING AND LAUNCHING

Materials needed:

2 pcs. empty 1.5 L Coke/Sprite
Modelling clay
Electrical tape
Teflon tape
Hard plastic folder
Pair of scissors

** NCERIES provides the rocket launcher and at least one (1) ready-to-launch water bottle rocket per batch. The students shall be taught and are encouraged to make their own water bottle rockets.*

🕒 **STARGAZING** (*weather permitting*)

From 6:00 P.M. until 9:00 P.M. only
Parent's consent and waiver required.



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 rocket-making workshop). 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 **OR** 5 meters in diameter and 3.2 meters high)
- b. An air-conditioned Audio-Visual Room or a regular classroom for the Film Showing
- c. A room or spacious and secured 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, reservations 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, High School Program, and even programs for 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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