



National STEM Olympiad 2017
"Science for Peace and Development"

12th - 14th May 2017

REPORT

STEM Unit
Royal Education Council
Royal Government of Bhutan
Paro

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1. INTRODUCTION

The First National STEM Olympiad 2017 held on 12th - 14th May 2017, organized by the Royal Education Council at the Department of Youth and Sports complex, Thimphu was a historic event in the field of STEM education in Bhutan. His Majesty the King graced the event on 14th May 2017. This provided a lifetime opportunity to participating students to present their work to none other than His Majesty the King Himself. His Majesty the King graced each and every exhibit and interacted with students for more than two hours at a stretch. It was a memorable moment for students, teachers, and members of education fraternity to receive and interact with their King. His Majesty the King reminded of our sacred duties that, "what we lack in numbers must be made up by talent." His Majesty commanded that students must excel in the field of science, mathematics and technology. It was a huge inspiration for students to strive for excellence with their studies.

His Excellency the Prime Minister honoured the Closing and Award ceremony on 13th May 2017 as the Chief Guest. As His Excellency observed every exhibit and interacted with presenters, he was impressed so much so that he declared that the Olympiad is extended by a day.

On 12th May 2017, the National STEM Olympiad was ceremoniously opened by Honourable Secretary, Ministry of Education. The Secretary highlighted the importance of such events and its bearing on the status of STEM education in Bhutan. Over the three days, many eminent guests visited the event. The most notable ones were the Speaker and the Deputy Speaker of the National Assembly, Honourable Minister, Ministry of Education, Honourable Minister, Ministry of Information and Communications, Honourable Minister, Ministry of Agriculture and Forests, Honourable Minister, Ministry of Economic Affairs, Honourable Minister, Ministry of Health, Honourable Minister, Ministry of Works and Human Settlement, 19 members of the Parliament, Honourable Secretary, Dzongkha Development Commission, Dasho Thrompon, Thimphu Thromde, Mr. Michael Ruthland, Honorary Council of Great Britain to Bhutan, among others. About a thousand students from five schools under Thimphu Thromde joined other visitors to the Olympiad. The Olympiad consisted of 12 cluster level prize winning exhibits, on-site challenge, fun activities, gallery walk and 3D documentary shows.

Due to the success of the first National STEM Olympiad 2017, The Royal Education Council (REC) has been commended to make the program an annual event.

2. BACKGROUND OF STEM OLYMPIAD 2017

In 2010, in commemoration of the International Year of Astronomy, all schools across the country organized Science and Technology Exhibition in their respective schools and Dzongkhags, culminating to Regional Level Science and Technology competition. The first regional level competition was convened on the 11th November 2010, with an overarching aim of providing platform for secondary school children to exhibit their innate and acquired scientific and social skills towards the development of scientific spirit and positive attitude for science and technology. Initially, it was organized in four regions under the coordination of Ministry of Education, Thimphu. In the subsequent year, erstwhile Department of Curriculum Research and Development was mandated to organize it as an annual event. Since then, six regional level Science and Technology exhibitions have been organized, funded by the Royal Government of Bhutan.

Initially exhibits saw the direct replication of models and display of charts from science textbooks. However, over the years the quality of exhibits improved. Children inculcated

higher order of scientific skills and demonstrated better skills of articulating the scientific ideas and concepts into innovative and creative models and displays, often having potential for economic utility. Encouraged by the accelerated improvement and interest of participating schools, several attempts were made to convene the Science and Technology Exhibition at the national level by bringing in the best entries. Hope was kindled in 2016, when the UNESCO sought proposals to organize educational activities in the region. In response to the UNESCO's invitation to participate at its "**Participatory program for 2016-17**", STEM Division of REC proposed to organize a National STEM Olympiad 2017 for Middle and Higher secondary schools in Bhutan. Through competitive selection, REC secured a lump sum fund of US\$ 26,000.00, which inspired the STEM Division to plan and execute the program professionally, considering its high stake obligations and goals at the regional and international levels.

3. RATIONALE

The National STEM Olympiad 2017 is a two-day program organized at two levels for the secondary schools, regional level Science and Technology exhibition competition culminating to national competition for the best three schools from each region. It is a platform for both students and teachers to exhibit individual or group scholastic works prepared during the year, exchange scientific ideas and opinions with wider audiences, and provide recognition for outstanding achievement in science education by both students and teachers. It is envisaged to improve the quality of science education, increase students' interest and participation in scientific endeavor in creating and innovating scientific gadgets and displays. Elsewhere, Science Olympiad tournaments are rigorous academic interscholastic competitions, as well as fun events related to Science Technology Engineering and Mathematics (STEM).

The two-day event was display of an array of open house activities, consisting of science and mathematics demonstrations, fun activities and cultural programs, envisaged to attract interest of children and inform general public of the wonders of science in practical life.

The event was organized with the following broad objectives

- ✎ provide a platform for teachers and students to showcase their scholarly works, and develop appreciation of the contribution of STEM subjects to peace and development.
- ✎ diversify opportunities for students to experience hands-on STEM applications through collaboration and discussion.
- ✎ inspire innovations and creativity in solving real world problems that shall contribute in better performance of students in the study of sciences.
- ✎ provide opportunities for participants and guests to interact with entertaining STEM phenomenon and ideas.

The global Science Olympiad strives to propagate peace and prosperity through the practice and application of scientific knowledge, skills and values in one's own daily life. In cognizance of the importance of the subject, the STEM Olympiad 2017 underscores "Science for Peace and Development" as its theme.

4. EVENTS IN STEM OLYMPIAD 2017

Science Olympiad in elsewhere, for example in USA, is a competition in which students compete in events relating to scientific disciplines, including earth science, biology,

chemistry, physics, and engineering. The competition is generally organized at multiple levels, culminating to the national level with higher level of challenges.

The National STEM Olympiad 2017 in Bhutan is the culmination of science and technology competition at four cluster or regional levels.

A. REGIONAL-LEVEL EXHIBITION: 22ND APRIL 2017

In line with the standing policy, schools conduct annual or biennial science and technology exhibitions to select the best entries for representation of schools at the regional level. The best exhibits are brought to the regional level competition. The theme for the 2017 for the regional level Science and Technology competition was “Science for Peace and Development”, and this event was attended by 126 Middle Secondary School, Higher Secondary School, Autonomous Higher Secondary School, and Central Schools congregated in four regions, based on their geographical proximity, namely at Tashitse Autonomous Higher Secondary School, Jakar Autonomous Higher Secondary School, Mendrelgang Central School, and Khasadrapchu Autonomous Middle Secondary School.

The regional level competition at four regions was conducted on 22nd April 2017, by which three best teams from each cluster were identified to participate at the National STEM Olympiad at Thimphu. Each school was represented by four students, 2 boys and 2 girls, with an escort teacher.

The regional level competitions were coordinated by respective Dzongkhag Education officers as regional coordinators, where the competitions were held. The RGoB fund allocated for the Science and Technology exhibition competition was distributed to regional coordinators based on the estimated cost for each region. In order to facilitate smooth organization and conduct of the competition, all schools and coordinators were provided with guideline on how, what and when of the event, including the tools for evaluation of exhibits and reporting form.

Based on the quality of the exhibits and interpretation by presenters, the following were the three best schools at each region or cluster (Table 1).

Table 1: Cluster / regional level result

| Cluster | School | Position | Sl.No | Students |
|--------------------------|---------------------|----------|-------|-------------------|
| 1. Tashitse AHSS Cluster | Tashitse AHSS | First | 1 | Jambay Tshering |
| | | | 2 | Tshogyal |
| | | | 3 | Nar Maya Shangden |
| | | | 4 | Sonam Choden |
| | | | 5 | Ugyen Wangchuk |
| | Jigme Sherubling CS | Second | 6 | Duptho |
| | | | 7 | Tashi Tobgay |
| | | | 8 | Tashi Wangmo |
| | | | 9 | Sanga Choden |

| Cluster | School | Position | Sl.No | Students | |
|---------------------------|---------------------|---------------|--------|---------------------|-----------------|
| 2. Jakar CS Cluster | Drametse CS | Third | 10 | Pempa Dorji | |
| | | | 11 | Tandin Tshewang | |
| | | | 12 | Sonam Cheki | |
| | | | 13 | Nidup Pelmo | |
| | | | 14 | Dekyel T Samdron | |
| | | | 15 | Tshering Yangden | |
| | 2. Jakar CS Cluster | Gelephu AHSS | First | 1 | Thinley Penjor |
| | | | | 2 | Dechen Tshomo |
| | | | | 3 | Puspa Lal Kami |
| | | | | 4 | Tashi Gyeltshen |
| | | | | 5 | Kinley Wangmo |
| | | | | 6 | Rigzin Dorji |
| | | Bajothang HSS | Second | 7 | Jigme Gembo |
| | | | | 8 | Tenzin Namgay |
| | | | | 9 | Kinley Dorji |
| 10 | | | | Sonam Deki Dolma | |
| 11 | | | | Pema Zangmo Sherpa | |
| 12 | | | | Sonam Tshomo | |
| Yebilaptsa CS | | Third | 13 | Monus Rai | |
| | | | 14 | Nima Tshering | |
| | | | 15 | Nima Dorji | |
| | | | 16 | Pema Thinley Tamang | |
| | | | 17 | Sonam Choki | |
| | | | 18 | Leki Lhazin | |
| 3. Mendrelgang CS Cluster | Mendrelgang CS | First | 1 | Basu Dev Gurung | |
| | | | 2 | Jigme Dorji Tamang | |
| | | | 3 | Nima Dema Moktan | |
| | | | 4 | Namgay Zam | |
| | | | 5 | Dawa Karma Sherpa | |
| | | | 6 | Sonam Wangmo Tamang | |
| | Drujeygang CS | Second | 7 | Nisha Subba | |
| | | | 8 | Jitendra Rizal | |
| | | | 9 | Daw Man Tamang | |
| | | | 10 | Mongali Maya | |
| | Dampfu CS | Third | 11 | Cheki Wangchuk | |
| | | | 12 | Sangay Zangmo | |
| | | | 13 | Tsheirng Wangmo | |
| | | | 14 | Chenga Tshering | |
| | | | 15 | Devendra Ahlay | |
| | | | 16 | Pawan Kumar Koirala | |

| Cluster | School | Position | Sl.No | Students |
|----------------------------|-------------------|----------|-------|---------------------|
| 4. Khasadrabchu CS Cluster | Drukgyel CS | First | 1 | Pema Leki |
| | | | 2 | Monash Kumar Darjee |
| | | | 3 | Runa Rai |
| | | | 4 | Rada Wangmo |
| | Dechencholing HSS | Second | 5 | Kuenga Tandin |
| | | | 6 | Laxmi Chhetri |
| | | | 7 | Jangchuk Lhamo |
| | | | 8 | Dechen Dorji |
| | Chukha CS | Third | 9 | Damchoe Tshering |
| | | | 10 | Aurvin Thara |
| | | | 11 | Sangay Choden |
| | | | 12 | Karma Wangmo |

B. NATIONAL STEM OLYMPIAD 2017: 12TH TO 14TH MAY 2017

The three best schools from each region or cluster were invited to participate at the National STEM Olympiad held at the Department of Youths and Sports complex, Thimphu on 12th to 13th May 2017, extended till 14th May 2017 under the command of His Excellency, the Prime Minister of Bhutan.

The program consisted of both competitive and noncompetitive events.

I. NON-COMPETITION BASED EVENTS

A. SYMPOSIUM – 12TH MAY 2017

It is a meeting or a conference for discussion on some subjects, or expression of opinion on a topic or issue before the audience. The symposium serves as a forum for informing the audience, crystallizing understanding, and in general, helping listeners to arrive at decision, judgment, and understanding.

Objectives

- ✘ Provide broader understanding of contributions made by science in fostering peace and development.
- ✘ Provide opportunity for participants to discuss and understand the challenges in the field of science and technology
- ✘ Develop diverse perspectives and prospectus of science in fostering peace and development.
- ✘ Create a platform for teachers and students to contribute their scholarly works at National level.

Process

- ✘ 2 guest speakers, 6 student speakers and 2 teacher speakers presented their research papers (Table 2).
- ✘ Research papers submitted by both teachers and students were evaluated by a panel of evaluators at the REC, Paro
- ✘ The selected authors were invited to make presentations at the event.

Table 2: Presenters

| Time | Speaker | Title of the topic |
|-------------------|--|---|
| 10:00 am -10:10am | Dr. Tshering Cigay Dorji, CEO, Thimphu TechPark Ltd. | Past, Present, and Future of Technology |
| 10:10am – 10:25am | Q & A session | |
| 10:25am -10: 35am | Juben Rana, Student, Samtse HSS | Artificial Intelligence. |
| 10:35am-10: 45am | Lotey Gyem, Student, Khasadrapchu AMSS | Analysis of the temperature and precipitation variation pattern under climate change in Khasadrapchu. |
| 10:45am- 10:55am | Q & A session | |
| 10:55am- 11:05am | Tshering Nidup, Teacher, Nanglam CS | Working in chemistry laboratory: Unfolding the ground realities of students' experiential learning. |
| 11:05am-11: 15am | Q &A session | |
| 11:55am-11: 25am | Tandin Dorji, Student, Samtse HSS | Robotics for Mankind |
| 11:25am-11: 35am | Sangay Wangchuk, Student Tashitse AHSS | Importance of organic farming in Bhutan. |
| 11:35am-11: 45am | Q & A session | |
| 11:45am-11: 55am | Mrs. Rebecca Pradhan, RSPN, Thimphu. | Conservation of species (White bellied heron) |
| 11:55am-12: 10pm | Q & A session | |
| 12:10pm- 12:20pm | Tashi, Student, Samtse HSS | Surveillance technology for peace and development |
| 12:20pm-12: 30pm | Laxmi Sharma, Student Peljorling HSS | Marketing and Farming of commercial products. |
| 12:30pm-12: 40pm | Q & A session | |
| 12:40pm-12: 50pm | Prem Prasad Timsina, Teachers, Nangkhon HSS | Impact of gypsum mining at Khothakpa on biodiversity. |
| 12:50pm-1:00pm | Q & A session | |

All the participants were awarded a STEM Olympiad memento and Nu 5000.00 each along with the travel expenses reimbursement.

B. FUN ACTIVITIES/AWARENESS PROGRAM – 12TH TO 14TH MAY 2017

Events happening around us are explained by science. The Fun Corner provides opportunities for visitors and participating children to engage in 3D show (scientific documentary), hands-on experiments, mathematical puzzles, optical illusions and gallery walk, and awareness programs presented by the STEM Division, REC. They observe and reflect, and apply scientific ideas to make explanation of how science works.

The challenges in the corner are presented with problems and procedures to guide participant in solving the problems with the materials provided. Explanation of science involved in solution to problem is also provided on the opposite page.

Objectives

- ✗ To stimulate visitors to engage in hands-on fun activities.
- ✗ To develop understanding of how science works.
- ✗ Realize doing science is fun and recreational too.

Process

- ✗ Invitation extended to science related profession to showcase their achievement and innovations.
- ✗ The REC prepared about 10 hands-on fun activities.
- ✗ Fun activities, displays at galley corner and 3D shows in the auditorium remained open during the entire program events.

In addition to schools' exhibits, agencies like College of Science and Technology (CST), World Wildlife Fund (WWF), and Department of Forest and Park Services (DoFPS), MoAF, added a different dimension to the exhibition. The CST demonstrated new Apps, such as Gtask Apps, Dzongkha for Kids Apps, Students information Apps, which made visitors aware of diverse usage of electronic gadgets in their day to day life. These demonstrations were the research based project works of trainees. The DoFPS displayed the annular ring of different woods, which amazed visitors of all ages by the longevity of trees, irrespective of their girth. WWF on the other hand came up with games to locate the biological corridors and awarded prizes to visitors who could locate the biological corridors correctly.

II. COMPETITION BASED EVENTS

A. ON-SITE CHALLENGE- 13TH MAY 2017

The Onsite Challenge is the task assigned to participants, which demands on-spot execution within the given span of time. It generally involves planning, designing, creating, innovating and team work that would test aptitude, knowledge and skills of participants. The skills and knowledge of Mathematics, Science, Engineering and Technology are required to articulate ways and means in solving the assigned problem, mainly through inquiry and innovation.

Objectives

- ✗ To examine competencies of contesting teams on planning, designing, creativity and team work abilities.
- ✗ To promote collaboration and innovation in organizing, analyzing, synthesizing and observing phenomena and manipulating objects to solve problems by engaging their scientific knowledge and understanding.
- ✗ Acquire the qualities of commitment, self-confidence, tolerance, curiosity and integrity in doing science.

Process

- ✗ Common challenge was executed by the 12 contesting schools on the site.
- ✗ The score weighting for it is maximum of 70% towards the championship total score.
- ✗ Evaluation is carried out by a panel of judges.
- ✗ Evaluation by the panel of judges is guided by the criteria and weighting described in the guidelines.

B. EXHIBITION – 12TH TO 14TH MAY 2017

The Science Exhibition is a forum, wherein students get opportunity to do or create scientific artifacts or experiments based on the scientific concepts and ideas, either learned in science classroom or personal learning. This provides amazing experiences that are truly innovative, exciting, and engaging. Further, it encourages and inculcates scientific rigor and temper amongst children.

Science exhibition serves as a platform where students showcase their talents in Science, Technology, Engineering and Mathematics (STEM) in the form of scientific artifacts or experiments with emphasis on their applications in our everyday life.

Objectives

- ✎ To generate excitement about science and its possibilities through hands on experiences..
- ✎ To help children to relate and apply the scientific concepts to their day to day lives.
- ✎ To apply STEM to visualize and solve problems pertaining to everyday life.
- ✎ To create awareness about environmental issues and concerns and inspire children to devise innovative ideas and means towards addressing the emerging environmental issues.
- ✎ To explore opportunities of science and technology based careers available in and out of Bhutan.
- ✎ To understand the importance of science for the wellbeing of the society and the environment.

Process

- ✎ Display of exhibits by 12 winning schools from the regional level exhibitions.
- ✎ It has the score weighting of maximum of 30% credit towards championship total score.
- ✎ Evaluation is carried out by a panel of judges.
- ✎ Evaluation is guided by set of criteria and score weighting described in the guidelines.

The total score of exhibition and on-site challenge of each school was used to declare the Championship of the National STEM Olympiad for the Year 2017 (Table 3).

Table 3: Competition results and the prizes

| Sl No | School | Exhibition (30) | On-site Challenge (70) | Total (100) | Position | Prize |
|-------|---------------------------------|-----------------|------------------------|-------------|-------------------|---|
| 1 | Jigme Sherubling Central School | 23.75 | 69.92 | 93.67 | Winner | Nu 50,000.00 + Championship Memento + Certificate |
| 2 | Yebilaptsa Central School | 21.88 | 70.00 | 91.88 | First Runner-Up | Nu 30,000.00 + Certificate |
| 3 | Dechencholing HSS | 23.44 | 67.81 | 91.25 | Second Runner-up | Nu 20,000.00 + Certificate |
| 4 | Drukgyel Central School | 21.88 | 69.32 | 91.20 | Consolation Prize | Nu 10,000.00 + Certificate |

| Sl No | School | Exhibition (30) | On-site Challenge (70) | Total (100) | Position | Prize |
|-------|-----------------------------|-----------------|------------------------|-------------|-------------------|----------------------------|
| 5 | Gelephu Autonomous School | 20.63 | 69.85 | 90.48 | Consolation Prize | Nu 10,000.00 + Certificate |
| 6 | Bajothang HSS | 20.63 | 69.39 | 90.02 | Consolation Prize | Nu 10,000.00 + Certificate |
| 7 | Mendrelganag Central School | 19.06 | 69.17 | 88.23 | 7th | Certificate |
| 8 | Tashitse Autonomous School | 18.44 | 69.09 | 87.53 | 8th | Certificate |
| 9 | Chukha Central School | 20.94 | 66.37 | 87.31 | 9th | Certificate |
| 10 | Drukgyelgang Central School | 18.75 | 65.69 | 84.44 | 10th | Certificate |
| 11 | Drametse Central School | 19.38 | 63.19 | 82.57 | 11th | Certificate |
| 12 | Damphu Central School | 18.13 | 64.02 | 82.15 | 12th | Certificate |

5. AWARDS AND PRIZES

Table 4: Awards

| Awards | Prizes |
|--------------------------------|---|
| ☞ Certificate of Commendations | ☞ Olympiad Champion: Nu. 50,000/- |
| ☞ Certificate of Recognitions | ☞ First Runner- Up: Nu. 30,000/- |
| ☞ Certificate of Championships | ☞ Second Runner-Up: Nu. 20,000/- |
| | ☞ Three Consolation Prizes: Nu. 10,000/- each. |
| | ☞ Memento, cash prize (Nu 5000/-) for speakers. |

6. PROGRAM SCHEDULE EVENTS FOR THE OLYMPIAD WERE PLANNED AS DESCRIBED IN TABLE 4.

Table 4: Program

| Sl. No. | Programme | Time |
|---------|--|---------------------|
| Day 1 | Symposium | 10:00 am to 1:00 pm |
| | Display and evaluation of still exhibits. 3D show. STEM fun Activities. Gallery walk. | 1:00 pm to 5:00 pm |

| Sl. No. | Programme | Time |
|--------------|---|--------------------|
| Day 2 | On-site Challenge Display and evaluation of still exhibits 3D show STEM fun Activities Gallery walk | 9:00 am to 1:00 pm |
| | Prize Award Ceremony and Closing. | 2:00 pm to 5:00 pm |
| Extended day | Display of still exhibits. 3D show. STEM fun Activities. Gallery walk. | 9:00 am to 5:00 pm |

7. FUTURE PLANS ON OLYMPIAD

The 21st Century education framework stipulates that doing Science and Technology is learning the subject about the ways of how the scientific knowledge is developed through rigorous engagement of learners, cognitively, physically and socially. In other words, learning of facts and figures of science are redundant in the present world. Learners are engaged in varieties of scientific processes of exploration, investigation, and design and modeling through articulation of their scientific ideas and thoughts. The annual science and technology, visa vis STEM Olympiad, quintessential of developing scientific temper and literacy is to equip learners take advantage of science and technology for better life and peace in the society.

The high profile attention it fostered throughout the program, and underscoring the novelty of the recent STEM Olympiad on putting test of the audacity of doing science through exhibition and symposium, the REC envisions continuing the STEM Olympiad endeavor by adding a new dimension. This is to ensure equity of opportunities to all age groups of schools in Bhutan, and inculcate the culture of learning of science through active engagement.

Therefore, REC proposes that:

1. All the schools, primary and secondary, shall conduct science and technology exhibition as annual feature in their respective schools. Upon invitation for presentation at higher level, best works from each school level exhibition shall be accorded the privilege to represent the school.
2. There shall be two categories of STEM Olympiad competition - Senior STEM Olympiad (classes 9 to 12) and Junior STEM Olympiad (classes 4 to 8), conducted after every two years or three years. While the senior competition shall be convened at the national level, the junior competition shall be confined to regional level owing to high transport charges and the risk involved in making young children travel.
3. The REC shall explore every means, both from RGOB and external donors, to secure a minimum fund of Nu 3.00millions annually to conduct exhibitions at school level and regional or national level of STEM Olympiad events.

Every event shall be documented in the form of STEM Olympiad Reports to inform relevant donors and stakeholders about the details of the event.

8. CONCLUSION

The National STEM Olympiad organized in 2017 for secondary school children is first of its kind in the field of science education in Bhutan. This congress proved as a platform for children's intellectual and social exchange and interaction. The program witnessed a variety of science exhibits, displays, and demonstration of social and scientific skills by children.

The conduct of several years of Science and Technology Exhibition at regional levels have impacted children, because REC observed good improvement in the quality and relevance of schools' exhibits, and that children were convincing and succinct in justifying their projects. At times, these capabilities of children appear to manifest the steady improvement in the performance of children in the field of science and in their general education. For instance, students of Drukgyel CS have this reflection, "The onsite challenge was another exciting task which made us brainstorm. It was totally different from what we expected.. It was based on a simple concept of science and mathematics. It really improved our collaborative skills and it really tested our patience. The good thing was that our egg landed safely inside the cartoon box with good accuracy and precision."

This platform also provided children the rare opportunity of having audience with His Majesty which they never dreamt about. Chukha CS students share their feeling as, "It was a tremendous opportunity for the platform to present in front of His Majesty. It was a dream come true moment for all of us. His Majesty spent almost two hours listening keenly to everyone's presentation. During the presentation, His Majesty stood only some inches away from us and we considered ourselves to be the most fortunate of all. His Majesty, like the rest of the people, was also dazzled after witnessing the exhibition models of the students without any fail. His Majesty congratulated all students and the teachers for our excellent work and wished us to keep up with the same spirit in the near future. His Majesty was also very much pleased by the fluent English speaking of the Bhutanese children."

On the whole, though some concern on plagiarism is perceived, it is REC's hope that the events have rendered lifelong impacts on every participating children and schools and to groom them as scientifically literate and scientifically elite citizens. Thus, organizers at the REC are convinced that the fund secured through open competition was worth pursuing. Bolstered by this grand success by which dignitaries and esteemed guests were impressed, the REC remains committed to do the best in exploration of resources to provide such platforms for our children of today, leaders of future Bhutan.

STEM Olympiad Organizers, REC, Paro

Date: 19th May 2017

