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ROYAL EDUCATION COUNCIL



REC/CDC/STEM-Sc(2)/2017-18/ 4402

7 May 2018

To  
The Principals,  
MSS/HSS/CS

Subject: **Result of Evaluation of symposium paper for STEM Olympiad 2018**

Dear Sir/Madam,

The Royal Education Council received 36 papers for symposium within the deadline announced. The symposium papers submitted were assessed by a team of external evaluators from relevant agencies. We are pleased to inform the schools and the concerned selected individuals that six papers are selected from student category and four papers are selected from the teacher category for the presentation during STEM Olympiad. The authors of the selected papers are requested to read the guidelines for the symposium carefully and prepare for the presentation. The guidelines is found in our website [www.rec.gov.bt](http://www.rec.gov.bt).

We would also like to thank all the schools and participants for their interest and effort for coming up with wonderful papers.

The Symposium Paper Evaluation Sheet is attached for your kind reference.

Thanking You

(Bhoj Raj Rai)  
bhojraj@rec.gov.bt  
Coordinator  
STEM Olympiad 2018  
REC, Paro

## Symposium Paper Evaluation for STEM Olympiad 2018 (Student)

Sl. No	Title of Symposium Paper	Author(s)	Name of the School	Evaluator 1	Evaluator 2	Evaluator 3	Grand Total	Remarks
1	<i>Parasassafras confertiflora</i> (Meisner) Long: ethnobotanical uses in Tshothang chewog	Tshering Dorji	Orong CS	39	43	49	131	Selected
2	e-learning system in Bhutanese classroom	Sonam Rinzin	Jigmeshrubling CS	45	36	49	130	Selected
3	The innovation of Druk National information and communication software	Robanath Basnet	Chukha CS	40	30	44	114	Selected
4	Nurturing the plant with science solar powered irrigation	Thinley Jamtsho	Jigmeshrubling CS	42	30	36	108	Selected
5	Disadvantages of using melamine utensils	Serzina Gurung	Darla MSS	26	40	37	103	Selected
6	Small scale aquaponic system for livelihood	Pema Yangchen	Kuzhugchen MSS	34	32	29	95	Selected
7	Diary of Dairy	Neeha Giri	Pejorling HSS	34	32	28	94	Stand by
8	Use ICT for teaching and learning in School	Tenzin Malaika Dorji	Changangkha MSS	37	25	30	92	Stand by
9	Investigation on mushroom cultivation the sustainable food security of Bhutan the past, present and future	Nabin Sharma and Karma Yangchen	Pejorling HSS	30	32	29	91	
10	Scientific virtual laboratory; enhancing science through technology	Govinda Upadhya	Samtse HSS	24	28	34	86	
11	The importance of mixed-farming system in Bhutan	Sangay Norbu	Jigmeshrubling CS	29	26	30	85	
12	Futuristic ideal community	Sonam Dawa	Tashitse HSS	33	26	26	85	

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*(Signature)*

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13	Anthocyanin	Dechen Namgay	Dechencholing HSS	24	32	28	84
14	Production of ecofriendly electric vehicles...	Karma Dorji	Tashitse HSS	34	28	22	84
15	Herbal and Eco Tourism using Yonphula Airport	Pema Lhendup	Tashitse HSS	33	26	22	81
16	Textile industry in southern foothills by 2030	Pushpala Guragai	Tashitse HSS	31	28	22	81
17	Car factory at Dewathang...	Pema Tshering	Tashitse HSS	33	24	22	79
18	Cultivation, storing and processing of potato using modern agriculture and technology in Bhutan	Tshering	Tashitse HSS	19	26	22	67
19	Plants response to music therapy	Cheki Wangchuk	Damphu CS	3	3	3	9
20	Conversion of noise distortion in to electrical energy	Sangay Nidup	Damphu CS	3	3	3	9

Evaluator 1

Name: Kinley Dorji

Signature

Evaluator 2

Name: Tshering Phuntsho

Signature

Evaluator 3

Name: Rinchen Dorji

Signature

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## Symposium Paper Evaluation for STEM Olympiad 2018 *(Teacher)*

Sl. No	Title of Symposium Paper	Author(s)	Name of the School	Evaluator 1	Evaluator 2	Evaluator 3	Grand Total	Remarks
1	Medicinal plants in the borad-leaf mixed coniferous forest of Tshothang chewog, Bhutan: floristic attributes, vegetation structure and enthinobotany	Ngawang Jamba	Orong CS	61	63	64	188	Selected
2	Forest resources utilization in community forest and its impact on livelihood and forest conservation in Bhutan	Tshering Lhamo	Gongzim UD CS	57	60	62	179	Selected
3	Impact of farm road on agriculture productivity and poverty: a case study in Kanglung gewog	Tashi Yangzom	Khasadrapochu MSS	56	60	57	173	Selected
4	Toxicity of Cd and crude oil co-contamination on the growth performance of Ocimum gratissimum	Pem Choden	Damphu CS	52	52	58	162	Selected
5	Preparation of nutritious Ezay from potato peel	Tshering Choden	Punakha CS	51	53	54	158	Stand by
6	Exploring the factors influencing the learning cluture in the school: a case study of Nganglam CS	Karma Jamtsho	Nganglam CS	46	51	54	151	Stand by
7	Investigating chemical laboratory safety based on students' ability to recognize the common laboratory hazard symbols	Dumcho Wangdi	Bajo Hss	45	45	52	142	



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8	An annotated checklist of bird species recorded from 1st October 2015 to 30th September 2016 using social media	Tshering Tobgay	Shari HSS	44	47	46	137
9	Traditional beliefs and sustenance of ecology in Thimphu: an assessment of local community perception	Tashi Yangzom	Khasadrapchu MSS	42	42	43	127
10	An analytical study on the infected cotoneaster biciliaris at Khasadrapchu	Faculty of Science	Khasadrapchu MSS	40	42	42	124
11	Strategies to build highly engaged classroom in science teaching	Dhiman Dutta	Jigmeshherubling CS	29	31	38	98
12	Impact of use of audio-visual materials on learner's achievement and interest in STEM subjects.	Karma Jamtsho	Nganglam CS	30	36	29	95
13	An independent garden in your backyard	Suban Rai	Dechencholing HSS	31	29	32	92
14	Importance of electrical speed breaker in the highways of Bhutan	Rakesh Bastola	Darla MSS	32	24	25	81
15	Shop AR	Sonam Dorji	Bayling CS	18	22	24	64
16	Of eco-friendly flying cars : a futuristic livelihood boon	Suban Rai	Dechencholing HSS	3	3	3	9

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 (HSS)

  




**Evaluator 1**

**Name : Kinley Dorji**



**Signature**

**Evaluator 2**

**Name : Tshering Phuntsho**



**Signature**

**Evaluator 3**

**Name : Rinchen Dorji**



**Signature**