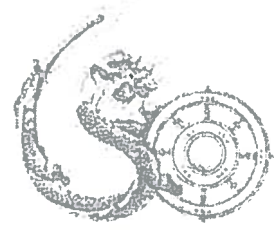




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Royal Education Council
Paro : Bhutan



Ref No: REC/Adm/HRD-08/2016-17/ 103

Date: 3rd August 2016

To
The Chief,
Human Resource Division,
Ministry of Education,
Thimphu

Subject: Update on Time allocation for Teaching Subjects

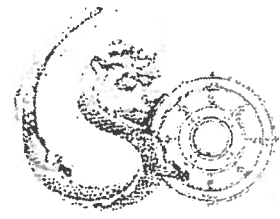
Dear Sir,

As a follow-up to the consultative meeting on the Time allocation for the academic subjects and non-academic activities in school held on 28th July 2016, the representatives from the REC updated the time allocation for the academic session. The write-up provided here under is to reinforce or supplement the information or updates presented in the tabular formats.

1. The details of the updated time allocation for academic subjects are presented in different key stages, and also in combined tabular format for at a glance over view.
2. Subjects such as Environmental Science, TVET, Agriculture for Food Security, Media Literacy, and Computer Literacy are incorporated in the time table as optional subjects. The periods for Values Education and Health Physical Education (HPE) remain status quo. However, the SUPW periods for classes PP to III are allocated for Art Education, while the period allocation for it remains status quo for classes IV to X. The SUPW periods for classes IV to X are allocated for the Computer Literacy, a new IT curriculum to phase out the Chigphen Riggel computer program. These adjustments and updates have no implication on the existing over all academic curriculum time allocation.
3. In the updated time table, SUPW is not treated as academic subject. However, because of its educational values, it is treated as one of the important non academic subjects. Therefore, at-least a minimum of two periods must be allocated in a week for SUPW as non teaching subject as suggested in the Time Table updates.
4. The aforesaid meeting also emphasized the strong need for Career Guidance and Counselling (CGC), and the Life Skills as academic curriculum; thus at-least a period in a week must be allocated for classes VII to XII for the CGC and Life skills. This call for the need to create or add a period for these classes for CGC and Life skills increasing the time to 45 periods of 40 minutes in classes VII to X, and to 39 periods of 50 minutes for classes XI and XII. This means, if the period is not adjusted on Saturday, one of the days in the week should have one period more than other days.



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Royal Education Council
Paro : Bhutan



5. Further, as suggested by the meeting, in spite of the difficulty to project the teacher requirement for the optional subjects because of the uncertainties of number of schools which would offer or opt to offer these subjects over the year, only a speculative projection is submitted herewith.
6. Lastly, as advised by the meeting the REC to list the academic and non-academic curriculum, the academic curriculum is indicated in the Time Table as teaching subjects – core and optional subjects. However, the non-academic curriculum cannot be ascertained because schools have the options to implement differing programs and activities as non-academic curriculum based on the environment and their affordability. Therefore, the non-academic curriculum list suggested is purely speculative or hypothetical.

Finally, the REC solicits a formal acceptance of the proposed Time Table from the Ministry of Education. Accordingly, the period, or time allocation for each subject will be updated in the academic subjects' syllabi.

Thanking you,

Yours faithfully,


(Kesang Choden Dorji)
DIRECTOR

Optional Subjects and teacher requirement (Projected)

Sl No.	Subjects	Class (hrs/week)	Implementation year	Numbers of schools offering the subject	Teacher requirement (Projected)	Teacher elective subject	Remarks
1	Media Literacy	Class XI (4 hr 10 mins /Week)	2015	All HSS	60	English	Oriented about 30 teachers
		Class XI I(4 hr 60 mins /Week)	2016		60		
2	Agriculture and Food Security	Class IX (2 hr/Week)	2013	20	20	All Subjects	Oriented 20 focal teachers
		Class X (2 hr/Week)	2014	20	20		
		Class XI (4 hr 10 mins /Week)		20	20		
		Class XII (4 hr 10 mins /Week)		20	20		
		Class IX (2 hr/Week)	2015	76	76		
3	Environmental Science	Class X (2 hr/Week)	2016	76	76	Science, Geography, Economics and English	Orientated 106 teachers on ES Curriculum
		Class XI (4 hr 10 mins /Week)	2017	All HSS	60		
		Class XII (4 hr 10 mins/Week)	2018	All HSS	60		
4	Technical & Vocational Education	Class XI (4 hr 10 mins/Week)		5	5	VTI instructors	Coordinated by VTI graduates in schools.
		Class XII(4 hr 10 mins/Week)		5	5		
		Class IV (40 min)					
		Class V (40 min)					
5	ICT Literacy	Class VI (40 min)	2017	All pry with computers lab and Internet	All pry with computers lab and Internet	ICT & Maths	89 teachers (84 public school + 5 private school teachers) oriented for IV to VI ICT course
		Class VII (40 min)					
		Class VIII (40 min)	2018	All pry with computers lab and Internet	All pry with computers lab and Internet		
		Class IX (40 min)	2019	All MSS & HSS	All MSS & HSS		
		Class X (40 min)	2020	All MSS & HSS	All MSS & HSS		
6	Computer Science	Class XI (4 hr 10 mins /Week)	2019	All HSS	All HSS	IT	
		Class XII (4 hr 10 mins /Week)	2020	All HSS	All HSS		

Subjects	PP		I		II		III		IV		V		VI		VII		VIII		IX		X		XI		XII			
	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)		
Dzongkha	7	4:40/60	9	5	11	7:20/60	11	7:20/60	9	6	7	4:40/60	8	5:20/60	7	4:40/60	7	4:40/60	7	4:40/60	7	4:40/60	7	4:40/60	5	4:10/60		
English	7	4:40/60	8	5:20/60	10	6:4	10	6:40/60	9	6	8	5:20/60	8	5:20/60	7	4:40/60	7	4:40/60	6	4	6	4	4	5	5	6	5	
Mathematics	8	5:20/60	9	6	10	6:4	10	6:40/60	9	6	8	5:20/60	7	4:40/60	7	4:40/60	7	4:40/60	6	4	6	4	4	5	5	6	5	
Environmental Studies	4	2:40/60	5	3:20/60	9	6	9	6	7	4:40/60	8	5:20/60	7	4:40/60	7	4:40/60	7	4:40/60	6	4	6	4	4	5	5	6	5	
Science																												
Social Studies																												
Art & Craft	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
ICT Literacy																												
History/Civics																												
Geography																												
Physics																												
Chemistry																												
Biology																												
Media Studies																												
Computer Applications																												
Agriculture and Food Security																												
Environmental Science																												
Technical & Vocational Education																												
Economics																												
Commerce																												
Rigzhung																												
Literature in English																												
Accountancy																												
Business Mathematics																												
Computer Studies																												
CGC and Life Skill																												
Value Education	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
Library	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
Health and Physical Education	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
Total for a week	30	20	35	23 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60
Total for a day	6	4	7	4 40/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60

* BCSEA - Choice of Subjects 8.8.1 A candidate cannot enter for more than six subjects including the compulsory subjects - English and Dzongkha. (p 52)

Non Academic
 SUPVY 2 per week
 Clubs Left up to the school
 Games and Sports Left up to the school
 Cultural Activities Left up to the school

35	29 10/60	35	29 10/60
7	5 50/60	7	5 50/60

Arts and Commerce Streams

Time Table for Schools

4 40/60 means 4 hours and 40 minutes

Subjects	PP		I		II		III		IV		V		VI		VII		VIII	
	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)	Period	Time (hrs)
Dzongkha	7	4 40/60	9	6	11	7 20/60	11	7 20/60	9	6	9	6	8	5 20/60	7	4 40/60	7	4 40/60
English	7	4 40/60	8	5 20/60	10	6 40/60	10	6 40/60	9	6	9	6	8	5 20/60	7	4 40/60	7	4 40/60
Mathematics	8	5 20/60	9	6	10	6 40/60	10	6 40/60	9	6	9	6	8	5 20/60	7	4 40/60	7	4 40/60
Environmental Studies	4	2 40/60	5	3 20/60	9	6	9	6	6	6	6	6	8	5 20/60	7	4 40/60	7	4 40/60
Science									7	4 40/60	7	4 40/60	7	4 40/60	10	6 40/60	10	6 40/60
Social Studies									5	3 20/60	5	3 20/60	8	5 20/60				
Art & Craft	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
ICT Literacy*									1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
History/Civics															4	2 40/60	4	2 40/60
Geography															4	2 40/60	4	2 40/60
Physics																		
Chemistry																		
Biology																		
Media Studies																		
Computer Applications																		
Agriculture and Food Security																		
Environmental Science																		
Technical & Vocational Education																		
Economics																		
Commerce																		
Rigzhung																		
Literature in English																		
Accountancy																		
Business Mathematics																		
Computer Studies																		
CGC and Life Skill																		
Value Education	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
Library	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
Health and Physical Education	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60	1	40/60
Total for a week	30	20	35	23 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	44	29 20/60	45	30
Total for a day	6	4	7	4 40/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60	8	5 20/60

* ICT Literacy will be offered in schools which are ready in terms of internet connectivity and computer facilities.

Time Table for Schools

4 40/60 means 4 hours and 40 minutes

Subjects	IX		X	
	Period	Time (hrs)	Period	Time (hrs)
Dzongkha	7	4 40/60	7	4 40/60
English	6	4	6	4
Mathematics	6	4	6	4
Environmental Studies				
Science				
Social Studies				
Art & Craft				
ICT Literacy*	1	40/60	1	40/60
History/Civics	3	2	3	2
Geography	3	2	3	2
Physics	4	2 40/60	4	2 40/60
Chemistry	4	2 40/60	4	2 40/60
Biology	4	2 40/60	4	2 40/60
Media Studies				
Computer Applications	3	2	3	2
Agriculture and Food Security	3	2	3	2
Environmental Science	3	2	3	2
Technical & Vocational Education	3	2	3	2
Economics	3	2	3	2
Commerce	3	2	3	2
Rigzhung (for LCSCCE / DDTI)	7	4 40/60	7	4 40/60
Literature in English				
Accountancy				
Business Mathematics				
Computer Studies				
CGC and Life Skill	1	40/60	1	40/60
Value Education	1	40/60	1	40/60
Library	1	40/60	1	40/60
Health and Physical Education	1	40/60	1	40/60
Total for a week	45	30	45	30
Total for a day	8	5 20/60	8	5 20/60

Compulsory subjects

Elective subjects

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* ICT Literacy will be offered in schools which are ready in terms of internet connectivity and computer facilities.

ARTS

Subjects	XI			XII		
	Periods	Time (hrs)	Periods	Time (hrs)	Periods	Time (hrs)
Dzongkha	5	4 10/60	5	4 10/60	5	4 10/60
English	6	5	6	5	6	5
Mathematics	5	4 10/60	5	4 10/60	5	4 10/60
Environmental Studies						
Science						
Social Studies						
Art & Craft						
History/Civics	5	4 10/60	5	4 10/60	5	4 10/60
Geography	5	4 10/60	5	4 10/60	5	4 10/60
Physics	6	5	6	5	6	5
Chemistry	6	5	6	5	6	5
Biology	6	5	6	5	6	5
Media Studies	5	4 10/60	5	4 10/60	5	4 10/60
Computer Applications						
Agriculture and Food Security	5	4 10/60	5	4 10/60	5	4 10/60
Environmental Science	5	4 10/60	5	4 10/60	5	4 10/60
Technical & Vocational Education	5	4 10/60	5	4 10/60	5	4 10/60
Economics	5	4 10/60	5	4 10/60	5	4 10/60
Commerce	5	4 10/60	5	4 10/60	5	4 10/60
Rigzhung	5	4 10/60	5	4 10/60	5	4 10/60
Literature in English	5	4 10/60	5	4 10/60	5	4 10/60
Accountancy	5	4 10/60	5	4 10/60	5	4 10/60
Business Mathematics	5	4 10/60	5	4 10/60	5	4 10/60
Computer Studies	5	4 10/60	5	4 10/60	5	4 10/60
CGC / Life Skills	1	50/60	1	50/60	1	50/60
Value Education	1	50/60	1	50/60	1	50/60
Library	1	50/60	1	50/60	1	50/60
Health and Physical Education	1	50/60	1	50/60	1	50/60
Total for a week	35	29 10/60	35	29 10/60	35	29 10/60
Number of periods per day	7	5 50/60	7	5 50/60	7	5 50/60


COMMERCE

Subjects	XI			XII		
	Periods	Time (hrs)	Periods	Time (hrs)	Periods	Time (hrs)
Dzongkha	5	4 10/60	5	4 10/60	5	4 10/60
English	6	5	6	5	6	5
Mathematics	5	4 10/60	5	4 10/60	5	4 10/60
Environmental Studies						
Science						
Social Studies						
Art & Craft						
History/Civics	5	4 10/60	5	4 10/60	5	4 10/60
Geography	5	4 10/60	5	4 10/60	5	4 10/60
Physics	6	5	6	5	6	5
Chemistry	6	5	6	5	6	5
Biology	6	5	6	5	6	5
Media Studies	5	4 10/60	5	4 10/60	5	4 10/60
Computer Applications						
Agriculture and Food Security	5	4 10/60	5	4 10/60	5	4 10/60
Environmental Science	5	4 10/60	5	4 10/60	5	4 10/60
Technical & Vocational Education	5	4 10/60	5	4 10/60	5	4 10/60
Economics	5	4 10/60	5	4 10/60	5	4 10/60
Commerce	5	4 10/60	5	4 10/60	5	4 10/60
Rigzhung	5	4 10/60	5	4 10/60	5	4 10/60
Literature in English	5	4 10/60	5	4 10/60	5	4 10/60
Accountancy	5	4 10/60	5	4 10/60	5	4 10/60
Business Mathematics	5	4 10/60	5	4 10/60	5	4 10/60
Computer Studies	5	4 10/60	5	4 10/60	5	4 10/60
CGC / Life Skills	1	50/60	1	50/60	1	50/60
Value Education	1	50/60	1	50/60	1	50/60
Library	1	50/60	1	50/60	1	50/60
Physical Education	1	50/60	1	50/60	1	50/60
Total for a week	35	29 10/60	35	29 10/60	35	29 10/60
Number of periods per day	7	5 50/60	7	5 50/60	7	5 50/60

SCIENCE

Subjects	XI			XII		
	Periods	Time (hrs)	Periods	Time (hrs)	Periods	Time (hrs)
Dzongkha	5	4 10/60	5	4 10/60	5	4 10/60
English	6	5	6	5	6	5
Mathematics	5	4 10/60	5	4 10/60	5	4 10/60
Environmental Studies						
Science						
Social Studies						
Art & Craft						
History/Civics	5	4 10/60	5	4 10/60	5	4 10/60
Geography	5	4 10/60	5	4 10/60	5	4 10/60
Physics	6	5	6	5	6	5
Chemistry	6	5	6	5	6	5
Biology	6	5	6	5	6	5
Media Studies	5	4 10/60	5	4 10/60	5	4 10/60
Computer Applications						
Agriculture and Food Security	5	4 10/60	5	4 10/60	5	4 10/60
Environmental Science	5	4 10/60	5	4 10/60	5	4 10/60
Technical & Vocational Education	5	4 10/60	5	4 10/60	5	4 10/60
Economics	5	4 10/60	5	4 10/60	5	4 10/60
Commerce	5	4 10/60	5	4 10/60	5	4 10/60
Rigzhung	5	4 10/60	5	4 10/60	5	4 10/60
Literature in English	5	4 10/60	5	4 10/60	5	4 10/60
Accountancy	5	4 10/60	5	4 10/60	5	4 10/60
Business Mathematics	5	4 10/60	5	4 10/60	5	4 10/60
Computer Studies	5	4 10/60	5	4 10/60	5	4 10/60
CGC / Life Skills	1	50/60	1	50/60	1	50/60
Value Education	1	50/60	1	50/60	1	50/60
Library	1	50/60	1	50/60	1	50/60
Physical Education	1	50/60	1	50/60	1	50/60
Total for a week	38	31 40/60	38	31 40/60	38	31 40/60
Number of periods per day	7	5 50/60	7	5 50/60	7	5 50/60

BCSEA - Choice of Subjects 8.8.1 A candidate cannot enter for more than six subjects including the compulsory subjects - English and Dzongkha. (p 52)

Compulsory subjects 
 Elective subjects 