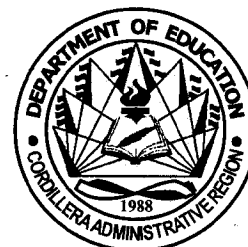




Republic of the Philippines
Department of Education
CORDILLERA ADMINISTRATIVE REGION
Wangal, La Trinidad, Benguet



REGIONAL MEMORANDUM

No. 124-2016 s. 2016

TO : Schools Division Superintendents
All Divisions
School Heads of SHS-TVL Tracks
ESM

FROM : ELLEN B. DONATO, Ed.D. CESO III
Regional Director

RELEASED
MAY 02 2016
RC
DEPED-CAR Time: _____

SUBJECT : Updates for Senior High School Technical -Vocational Livelihood Tracks Offerings

DATE : May 2, 2016

1. In the transition offering of Junior High School Technology and Livelihood Education to Senior High School Technical-Vocational Livelihood. These are the updated and list of specializations in the four components of Technical-Vocational Livelihood. As follows:

K to 12 BASIC EDUCATION CURRICULUM
JUNIOR HIGH SCHOOL TECHNOLOGY AND LIVELIHOOD EDUCATION AND SENIOR HIGH SCHOOL TECHNICAL - VOCATIONAL LIVELIHOOD
AGRI – FISHERY ARTS

These are the specializations and their pre - requisites. These lists should be used as reference for curriculum maps.

AGRI-FISHERY ARTS

	Specialization	Number of Hours	Pre- requisite
1	Agricultural Crops Production (NC I)		
2	Agricultural Crops Production (NC II) **	480 hours	
3	Agricultural Crops Production (NC III)	640 hours	Agricultural Crops Production (NC II)
4	Animal Health Care Management (NC III)	320 hours	Animal Production (NC II)
5	Animal Production (NC II)+ <i>When updated, this CG will become the following :</i> <i>1. Animal Production (Poultry -Chicken) (NC II);</i> <i>2. Animal Production (Ruminants) (NC II); and</i> <i>3. Animal Production (Swine) (NC II)</i>	480 hours	
6	Aquaculture (NC II)	640 hours	
7	Artificial Insemination (Ruminants) (NC II)	160 hours	Animal Production (NC II)
8	Artificial Insemination (Swine) (NC II)	160 hours	Animal Production (NC II)
9	Agricultural Crops Production (NC I)	320 hours	

Telephone Numbers:

Office of the Director IV	-422-4074	Budget and Finance Division	-422-5155	Cash Section	-309-3017	Record Section	-309-3015
Fax Machine	-422-1318	Elementary Education Division	-422-7096	Physical Facilities Unit/ICT	-309-3011	Payroll Services Unit	-424-3993
Office of the Director III	-309-3013	Non Formal Education Division	-422-5187	Regional Planning Unit	-309-1234	Special Services Division	-424-5167
Administrative Division	-422-1804	Secondary Education Division	-309-3014				
		Supply Unit	-422-2198				

10	Fish Capture (NC II)++	640 hours	
11	Fishing Gear Repair and Maintenance (NC III)	320 hours	
12	Fish - Products Packaging (NC II)	320 hours	
13	Fish Wharf Operation (NC I)	160 hours	
14	Food (Fish) Processing (NC II)	640 hours	
15	Horticulture (NC II) +	640 hours	
16	Horticulture (NC III)	640 hours	Horticulture (NC II)
17	Landscape Installation and Maintenance (NC II)	320 hours	Agricultural Crops Production (NC I)
18	Organic Agriculture (NC II)	320 hours	Agricultural Crops Production (NC I)
19	Pest Management (NC II)	320 hours	Agricultural Crops Production (NC I)
20	Rice Machinery Operation (NC II)	320 hours	Agricultural Crops Production (NC I)
21	Rubber Processing (NC II)	320 hours	
22	Rubber Production (NC II)	320 hours	
23	Slaughtering Operation (NC II)	160 hours	Animal Production (NC II)

+CG to be updated by December 2015

++CG to be uploaded by December

K to 12 BASIC EDUCATION CURRICULUM
JUNIOR HIGH SCHOOL TECHNOLOGY AND LIVELIHOOD EDUCATION AND SENIOR HIGH SCHOOL TECHNICAL - VOCATIONAL LIVELIHOOD
Home Economics

These are the specializations and their pre - requisites. These lists should be used as reference for curriculum maps.

HOME ECONOMICS

	Specialization	Number of Hours	Pre- requisite
1	Attractions and Theme Parks (NC II)	160 hours	
2	Barbering (NC II)	320 hours	
3	Bartending (NC II)	320 hours	
4	Beauty/Nail Care (NC II)	160 hours	40 hours of the subject during exploratory Grade 7/8
5	Bread and Pastry Production (NC II)	160 hours	
6	Caregiving (NC II)	640 hours	40 hours of the subject during exploratory Grade 7/8
7	Commercial Cooking (NC III)	320 hours	Cookery (NC II)
8	Cookery (NC II)	320 hours	40 hours of the subject during exploratory Grade 7/8
9	Dressmaking (NC II)	320 hours	40 hours of the subject during exploratory Grade 7/8
10	Events Management Services (NC III)	320 hours	
11	Fashion Design (Apparel) (NC III)	640 hours	Dressmaking (NC II) or Tailoring (NC II)
12	Food and Beverage Services (NC II)	160 hours	
13	Front Office Services (NC II)	160 hours	40 hours of the subject during exploratory Grade 7/8
14	Hairdressing (NC II)	320 hours	
15	Hairdressing (NC III)	640 hours	Hairdressing (NC II)
16	Handicraft (Basketry, Macrame) (Non-NC)	160 hours	
17	Handicraft (Fashion Accessories, Paper Craft) (Non-NC)	160 hours	
18	Handicraft (Needlecraft) (Non-NC)	160 hours	
19	Handicraft (Woodcraft, Leathercraft) (Non-NC)	160 hours	
20	Housekeeping (NC II)+	160 hours	
21	Local Guiding Services (NC II)	160 hours	

22	Tailoring (NC II)	320 hours	40 hours of the subject during exploratory Grade 7/8
23	Tourism Promotion Services (NC II)	160 hours	
24	Travel Services (NC II)	160 hours	
25	Wellness Massage (NC II)	160 hours	

CG to be updated by December 2015

++CG to be uploaded by December

**K to 12 BASIC EDUCATION CURRICULUM
JUNIOR HIGH SCHOOL TECHNOLOGY AND LIVELIHOOD EDUCATION AND SENIOR HIGH SCHOOL TECHNICAL - VOCATIONAL
LIVELIHOOD
INDUSTRIAL ARTS**

These are the specializations and their pre - requisites. These lists should be used as reference for curriculum maps.

INDUSTRIAL ARTS

	Specialization	Number of Hours	Pre- requisite
1	Automotive Servicing (NC I)+	640 hours	
2	Automotive Servicing (NC II)	640 hours	Automotive Servicing (NC I)
3	Carpentry (NC I)	640 hours	
4	Carpentry (NC II)	320 hours	Carpentry (NC I)
5	Construction Painting (NC II)	160 hours	
6	Consumer Electronics Servicing (NC II)+	640 hours	
7	Domestic Refrigeration and Airconditioning (DOMRAC) Servicing (NC II)	640 hours	
8	Driving (NC II)	160 hours	
9	Electrical Installation and Maintenance (NC II)	640 hours	
10	Electric Power Distribution Line Construction (NC II)	320 hours	
11	Electronic Products Assembly and Servicing (NC II)++ (CG under construction based on Consumer Electronics Servicing (NC II) CG)	640 hours	
12	Furniture Making (Finishing) (NC II)	480 hours	
13	Instrumentation and Control Servicing (NC II)	320 hours	Electrical Installation and Maintenance (NC II)
14	Gas Metal Arc Welding (GMAW) (NC II)	320 hours	Shielded Metal Arc Welding (SMAW) (NC II)
15	Gas Tungsten Arc Welding (GTAW) (NC II)	320 hours	Shielded Metal Arc Welding (SMAW) (NC II)
16	Machining (NC I) ++	640 hours	
17	Machining (NC II)	640 hours	Machining (NC I)
18	Masonry (NC II)	320 hours	
19	Mechatronics Servicing (NC II)	320 hours	Consumer Electronics Servicing (NC II)
20	Motorcycle/Small Engine Servicing (NC II)	320 hours	
21	Plumbing (NC I)	320 hours	
22	Plumbing (NC II)	320 hours	Plumbing (NC I)
23	Refrigeration and Air -Conditioning (Packaged Air -Conditioning Unit [PACU]/Commercial Refrigeration Equipment [CRE]) Servicing (NC III)	640 hours	Domestic Refrigeration and Air - Conditioning (DOMRAC) Servicing (NC II)
24	Shielded Metal Arc Welding (NC I)	320 hours	

25	Shielded Metal Arc Welding (NC II)	320 hours	Shielded Metal Arc Welding (NC I)
26	Tile Setting (NC II)	320 hours	
27	Transmission Line Installation and Maintenance (NC II)	640 hours	Electrical Installation and Maintenance (NC II)

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**K to 12 BASIC EDUCATION CURRICULUM
JUNIOR HIGH SCHOOL TECHNOLOGY AND LIVELIHOOD EDUCATION AND SENIOR HIGH SCHOOL TECHNICAL - VOCATIONAL
LIVELIHOOD
INFORMATION, COMMUNICATIONS AND TECHNOLOGY (ICT)**

These are the specializations and their pre - requisites. These lists should be used as reference for curriculum maps.

INFORMATION, COMMUNICATIONS AND TECHNOLOGY (ICT)

	Specialization	Number of Hours	Pre-requisite
1	Animation (NC II)	320 hours	
2	Broadband Installation (Fixed Wireless Systems) (NC II)	160 hours	1. Telecom OSP and Subscriber Line Installation (Copper Cable/POTS and DSL) (NC II) 2. Telecom OSP Installation (Fiber Optic Cable) (NC II)
3	Computer Hardware Servicing (NC II) +	320 hours	
4	Computer Programming (NC IV)+ <i>When updated, this CG will become the following:</i> 1. Programming (.net Technology) (NC II)++ 2. Programming (Java) (NC II)++ 3. Programming (Oracle Database) (NC II)++	320 hours	
5	Computer System Servicing (NC II)++ (CG under construction based on Computer Hardware Servicing (NC II) CG	320 hours	
6	Contact Center Services (NC II)	320 hours	
7	Illustration (NC II)	320 hours	
8	Medical Transcription (NC II)	320 hours	
9	Technical Drafting (NC II)	320 hours	
10	Telecom OSP and Subscriber Line Installation (Copper Cable/POTS and DSL) (NC II)	320 hours	Computer Hardware Servicing (NC II)
11	Telecom OSP Installation (Fiber Optic Cable) (NC II)	160 hours	Telecom OSP and Subscriber Line Installation (Copper Cable/POTS and DSL) (NC II)

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2. Sample Illustration of Curriculum Map ,Schedule and Class Program of SHS-TVL for Grades 11 and 12.

**TVL Specialized Subjects: Filling up 720 hours
9 Subject Slots at 80 hours each**

Option 1	Option 2	Option 3	Option 4	Option 5
	4-slot subject (320 hours) Ex. Plumbing (NC 11)	6-slot subject (480 hours) Ex. Artificial Production (NC 11)	4-slot subject (320 hours) Ex. Cookery (NC11)	2-slot subject (160 hours) Ex. Tour Guiding Services (NC11)
			2-slot subject (160 hours) Ex. Bread & Pastry Production (NC11)	2-slot subject (160 hours) Ex. Bread & Pastry Production (NC11)
	4-slot subject (320 hours) Ex. Plumbing (NC 11)	2-slot subject (160 hours) Ex. Artificial Insemination (NC11)	2-slot subject (160 hours) Ex. Bread & Pastry Production (NC11)	2-slot subject (160 hours) Ex. Tourism Promotion Services (NC11)
			2-slot subject (160 hours) Ex. Food Beverage Services (NC11)	2-slot subject (160 hours) Food and Beverage Services (NC11)
9th Subject is for immersion				

Sample TVL Track Schedule of Subjects (Per Semester)

Example 1

	Grade 11		Grade 12	
	1 st Semester	2 nd Semester	1 st Semester	2 nd Semester
CORE SUBJECTS	Oral Communication in Context <i>Komunikasyon at Pananaliksik sa Wika at Kulturang Pilipino</i>	Reading and Writing Skills <i>Pagbasa at Pagsusuri ng Iba't-Ibang Teksto Tungo sa Pananaliksik</i>	Earth and Life Science Introduction to the Philosophy of the Human Person	Physical Science Physical Education and Health
	General Mathematics	21 st Century Literature from the Philippines and the World	Contemporary Philippine Arts from the Regions	
	Personal Development / <i>Pansariling Kaunlaran</i>	Understanding Culture, Society and Politics	Media and Information Literacy	
	Physical Education and Health	Statistics and Probability Physical Education and Health	Physical Education and Health	
APPLIED TRACK SUBJECTS	English for Academic and Professional Purposes	Practical Research 1	Practical Research 2	Empowerment Technologies (for Tech-Voc)
	<i>Filipino sa Piling Larangan (Tech-Voc)</i>			Entrepreneurship
				Inquiries, Investigation and Immersion
SPECIALIZED SUBJECTS	Tour Guiding Services (NC II)	Tour Guiding Services (NC II)	Tourism Promotion Services (NC II)	Tourism Promotion Services (NC II)
	Bread and Pastry Production (NC II)	Bread and Pastry Production (NC II)	Food and Beverage Services (NC II)	Food and Beverage Services (NC II)
				Work Immersion
MEAN NUMBER OF HOURS PER DAY	6.6	6.6	5.8	5.8

Please note that some subjects have prerequisites. These are indicated in the Curriculum Guides and are listed below for easy referral.

SUBJECT	PREREQUISITE/S
Practical Research 2	Statistics and Probability

**Sample Daily Schedule of Subjects
Example 1 Grade 11 1st Semester**

1 st Semester	
CORE SUBJECTS	Oral Communication in Context <i>Komunikasyon at Pananaliksik sa Wika at Kulturang Pilipino</i>
	General Mathematics.
	Personal Development / <i>Pansariling Kaunlaran</i>
	Physical Education and Health
APPLIED TRACK SUBJECTS	English for Academic and Professional Purposes
	<i>Filipino sa Piling Larangan (Tech-Voc)</i>
SPECIALIZED SUBJECTS	Tour Guiding Services (NC II)
	Bread and Pastry Production (NC II)
MEAN NUMBER OF HOURS PER DAY	6.6

GRADE 11 1st SEM	Monday	Tuesday	Wednesday	Thursday	Friday
CORE SUBJECTS	Oral Communication in Context	Oral Communication in Context	Oral Communication in Context	Oral Communication in Context	
		<i>Komunikasyon at Pananaliksik sa Wika at Kulturang Pilipino</i>	<i>Komunikasyon at Pananaliksik sa Wika at Kulturang Pilipino</i>	<i>Komunikasyon at Pananaliksik sa Wika at Kulturang Pilipino</i>	<i>Komunikasyon at Pananaliksik sa Wika at Kulturang Pilipino</i>
	General Mathematics	General Mathematics		General Mathematics	General Mathematics
	Personal Development / <i>Pansariling Kaunlaran</i>	Personal Development / <i>Pansariling Kaunlaran</i>	Personal Development / <i>Pansariling Kaunlaran</i>		Personal Development / <i>Pansariling Kaunlaran</i>
				Physical Education and Health	
APPLIED TRACK SUBJECTS	English for Academic and Professional Purposes		English for Academic and Professional Purposes	English for Academic and Professional Purposes	English for Academic and Professional Purposes
		<i>Filipino sa Piling Larangan</i>	<i>Filipino sa Piling Larangan</i>	<i>Filipino sa Piling Larangan</i>	<i>Filipino sa Piling Larangan</i>
SPECIALIZED SUBJECTS	Bread and Pastry Production (NC II)	Bread and Pastry Production (NC II)	Tour Guiding Services (NC II)	Tour Guiding Services (NC II)	Tour Guiding Services (NC II)
	Bread and Pastry Production (NC II)	Bread and Pastry Production (NC II)			Tour Guiding Services (NC II)
Number of Hours	6	7	6	7	7

**Sample Daily Schedule of Subjects
Example 1 Grade 11 2nd Semester**

2 nd Semester
Reading and Writing Skills
<i>Pagbasa at Pagsusuri ng Iba't-Ibang Teksto Tungo sa Pananaliksik</i>
21 st Century Literature from the Philippines and the World
Understanding Culture, Society and Politics
Statistics and Probability
Physical Education and Health
Practical Research 1
Tour Guiding Services (NC II)
Bread and Pastry Production (NC II)
6.6

GRADE 11 2 nd SEM	Monday	Tuesday	Wednesday	Thursday	Friday
CORE SUBJECTS	Reading and Writing Skills	Reading and Writing Skills	Reading and Writing Skills	Reading and Writing Skills	
		<i>Pagbasa at Pagsusuri ng Iba't-Ibang Teksto Tungo sa Pananaliksik</i>	<i>Pagbasa at Pagsusuri ng Iba't-Ibang Teksto Tungo sa Pananaliksik</i>	<i>Pagbasa at Pagsusuri ng Iba't-Ibang Teksto Tungo sa Pananaliksik</i>	<i>Pagbasa at Pagsusuri ng Iba't-Ibang Teksto Tungo sa Pananaliksik</i>
	21 st Century Literature from the Philippines and the World	21 st Century Literature from the Philippines and the World		21 st Century Literature from the Philippines and the World	21 st Century Literature from the Philippines and the World
	Understanding Culture, Society and Politics	Understanding Culture, Society and Politics	Understanding Culture, Society and Politics		Understanding Culture, Society and Politics
	Statistics and Probability (1.5 hrs)		Statistics and Probability (1.5 hrs)		Statistics and Probability
					Physical Education and Health
	APPLIED TRACK SUBJECTS		Practical Research 1 (1.5 hrs)		Practical Research 1 (1.5 hrs)
SPECIAL ZED SUBJECTS	Bread and Pastry Production (NC II)	Tour Guiding Services (NC II)	Bread and Pastry Production (NC II)	Tour Guiding Services (NC II)	Tour Guiding Services (NC II)
	Bread and Pastry Production (NC II)		Bread and Pastry Production (NC II)	Tour Guiding Services (NC II)	
Number of Hours	6.5	6.5	6.5	6.5	7

Sample Daily Schedule of Subjects
Example 1 Grade 12 1st Semester

1st Semester
Earth and Life Science
Introduction to the Philosophy of the Human Person
Contemporary Philippine Arts from the Regions
Media and Information Literacy
Physical Education and Health
Practical Research 2
Tourism Promotion Services (NC II)
Food and Beverage Services (NC II)
5.8

GRADE 12 1st SEM	Monday	Tuesday	Wednesday	Thursday	Friday
CORE SUBJECTS	Earth and Life Science	Earth and Life Science	Earth and Life Science	Earth and Life Science	
	Introduction to the Philosophy of the Human Person		Introduction to the Philosophy of the Human Person	Introduction to the Philosophy of the Human Person	Introduction to the Philosophy of the Human Person
	Contemporary Philippine Arts from the Regions	Contemporary Philippine Arts from the Regions		Contemporary Philippine Arts from the Regions	Contemporary Philippine Arts from the Regions
	Media and Information Literacy	Media and Information Literacy	Media and Information Literacy		Media and Information Literacy
	Physical Education and Health				
	APPLIED TRACK SUBJECTS	Practical Research 2	Practical Research 2	Practical Research 2	Practical Research 2
SPECIALIZED SUBJECTS		Food and Beverage Services (NC II)	Food and Beverage Services (NC II)	Tourism Promotion Services (NC II)	Tourism Promotion Services (NC II)
		Food and Beverage Services (NC II)	Food and Beverage Services (NC II)	Tourism Promotion Services (NC II)	Tourism Promotion Services (NC II)
Number of Hours	6	6	6	6	5

Sample Daily Schedule of Subjects
Example 1 Grade 12 2nd Semester

2nd Semester
Physical Science
Physical Education and Health
Empowerment Technologies (for Tech-Voc)
Entrepreneurship
Inquiries, Investigation and Immersion
Tourism Promotion Services (NC II)
Food and Beverage Services (NC II)
Work Immersion
5.8

GRADE 12 2 nd SEM	Monday	Tuesday	Wednesday	Thursday	Friday
CORE SUBJECTS	Physical Science	Physical Science	Physical Science	Physical Science	Physical Education and Health
APPLIED TRACK SUBJECTS	Empowerment Technologies (for Tech-Voc)		Empowerment Technologies (for Tech-Voc)	Empowerment Technologies (for Tech-Voc)	Empowerment Technologies (for Tech-Voc)
	Entrepreneurship	Entrepreneurship		Entrepreneurship	Entrepreneurship
	Inquiries, Investigation and Immersion	Inquiries, Investigation and Immersion	Inquiries, Investigation and Immersion	Inquiries, Investigation and Immersion	
SPECIALIZED SUBJECTS	Tourism Promotion Services (NC II)	Tourism Promotion Services (NC II)	Food and Beverage Services (NC II)	Food and Beverage Services (NC II)	Tourism Promotion Services (NC II)
	Work Immersion	Tourism Promotion Services (NC II)	Food and Beverage Services (NC II)	Food and Beverage Services (NC II)	Work Immersion
		Work Immersion			Work Immersion
Number of Hours	6	6	5	6	6

3. The Senior High School offering Technical-Vocational Livelihood track must be align to the Curriculum Guides and Training Regulations of TESDA.
4. If the approved TVL-track offerings cannot comply with the mandated 720 hours TVL Specialized Subjects, the affected School Head will apply for the additional TVL courses offerings (attached the current school TVL curriculum map, indicating the registrant per specialization) to be endorse by the Schools Division Superintendent to the Regional Director.
5. There will be tools and equipment to be distributed to the SHS-TVL track schools, it is requested that this identified recipient schools should prepare their tool room to safeguard this tools and equipment.
6. For information, dissemination and compliance.