

# AGRI-FISHERY ARTS & ICT: Content, Delivery and Assessment

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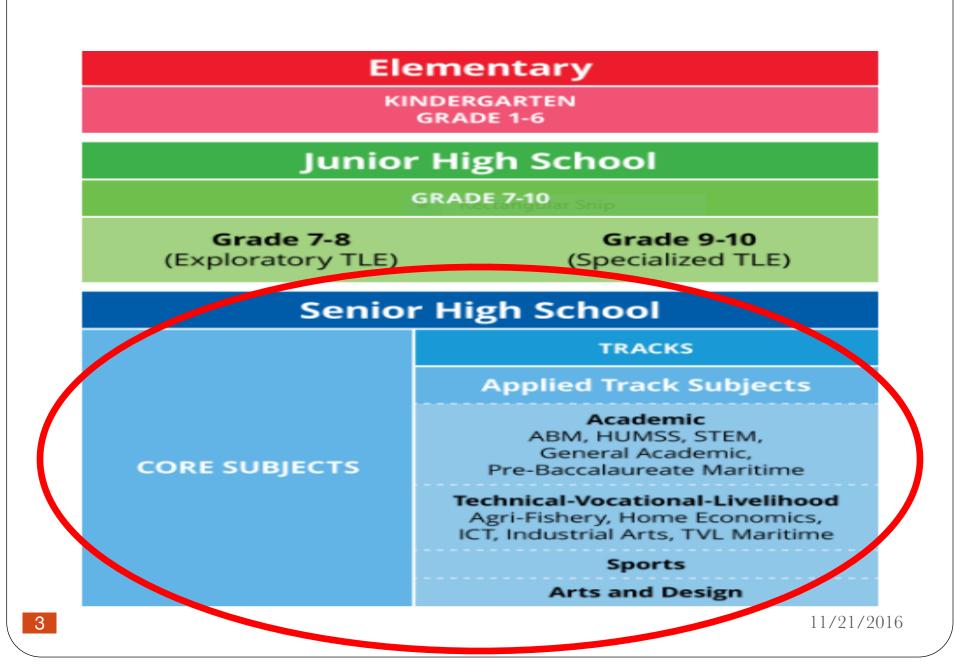
#### **PATEF-UPDATE**

13<sup>th</sup> National Convention with the theme: Senior High School (SHS) Program: Updates, Issues, and Implications to Teacher Education"

November 21 – 23, 2016

The Heritage Hotel Manila, Roxas Boulevard corner EDSA Pasay City 11/21/2016 The Overall Goal of the K to 12 Curriculum

- Holistic development of every Filipino learner with 21<sup>st</sup> Century skills who is adequately prepared for work, entrepreneurship, middle level skills development and higher education.
- Every graduate will be equipped with (1) Information, media and technology skills, (2) Learning and Innovative Skills, (3) Effective communication skills, and (4) Life and career skills.
- Ensure that every K to 12 graduate will be ready to go into different paths further education, employment or entrepreneurship.



### Decision in Choosing TVL Strand / Specialization

- Profile the potential students in your area
- Conduct an External Assessment (EA)
- Conduct an Internal Assessment (IA)
- Determine your program offerings
- Ensure that your school plan is incorporated in the implementation plan of your Schools Division Office (SDO) / VMGO of your College or University.

SHS Manual Volume 1

#### **1. Core Curriculum**

- 2. Applied Tracks
  - Academic Track
- 3. Sports and Arts and Design Track Technical –Vocational-Livelihood (TVL) Track
  - Agri-Fishery Arts,
  - Home Economics,
  - Information and Communications Technology (ICT), and
  - Industrial Arts

#### The Agri-Fishery Arts (AFA) Curriculum Content

- Agri-Fishery Arts (AFA) Strands
- Agricultural Crops Production (NC I -320 hours, NC II-640 hours, \*NC III – 640 hours)

Horticulture (\*NC III – 640 hours)

- Landscape Installation and Maintenance (NC II 320 hours)
  - **Organic Agriculture** (NC II 320 hours)
  - **Pest Management** (NC II 320 hours)
  - **Rice Machinery Operation** (NC II 320 hours)
    - **Rubber Production** (NC II 320 hours)
    - **Rubber Processing** (NC II 320 hours)

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#### The Agri-Fishery Arts (AFA) Curriculum Content

- Animal Health Care Management (\*NC III 320 hours)
- Animal Production (Poultry-Chicken), (NC II -320 hours)
- Animal Production (Ruminants) (NC II 320 hours)
- Artificial Insemination (Ruminants) (\*NC II) (160 hours)
  - Animal Production (Swine) (NC II 320 hours)
  - Artificial Insemination (Swine) (\*NC II) (160 hours)
    - **Slaughtering Operations** (NC II 160 hours)

The Agri-Fishery Arts (AFA) Curriculum Content

Aquaculture (NC II- 640 hours) Fish Capture (NC II – 640 hours) Fishing Gear Repair and Maintenance (NC III – 320 hours) Fish Products Packaging (NC II – 320 hours) Fish Wharf Operation (NC I – 160 hours) Food Processing (NC II – 640 hours)

/ or X	SUBJECTS	Required Hours Per Sem	Grade & Semester the Subject is Offered			
			Gr. 11	Gr. 11	Gr. 12	Gr. 12
			1" Sem	2 <sup>nd</sup> Sem	3rd Sem	4 <sup>th</sup> Sen
	CORE CURRICULUM (same content, same competer	icies across	curriculu	ım offering	gs)	
	Oral communication					
	Reading and Writing					
	Komunikasyon at Panaanaliksik sa Wika at kulturang Pilipino					
	Pagbasa at Pagsusuri ng Iba't-ibang Teksto Tungo sa Pnanaliksik					
	21" Century Literature from the Philippines and the World					
	Contemporary Philippine Arts from the Regions					
	Media and Information Literacy					
	General Mathematics					
	Statistics and Probability					
	Earth and Life science Lecture and Laboratory (Earth Science for STEM only)					
	Physical Science Lecture and Laboratory (disaster Readiness and Risk Reduction for STEM only)					
	APPLIED TRACK (same competencies across curriculu	ım offering	s but diff	erent conte	nt)	
	English for Academic and Professional Purposes					
	Practical Research 1					
	Practical Research 2					
	Pagsulat sa Filipino sa Piling Larangan (Akademik, Isports, Sining, ant Tech-Voc)					
	Empowerment Technologies (E-Tech): ICT for Professional Tracks					
	Entrepreneurship					
	Research Project / Culminating Activity					
	SPECIALIZED (Note: A student can specialize in at mo must be 640 hours)	st 4 subjec	ts, depen	ding on rec	quired ho	urs, tota
	Agricultural Crops Production (NC I -320 hours, NC II- 640 hours, *NC III - 640 hours)					
	Animal Health Care Management (*NC III – 320 hours)					
	Animal Production (Poultry-Chicken), (NC II -320 hours)					

Adopted from: Enclosure 12 of Regional Memo No. 328, s.2015, DepEd Region VII, Central

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## $\frac{Specializations}{Specializations} \stackrel{\text{The ICT Curriculum Content}}{in IC I}$

Animation (NC II) (320 hrs)

 Broadband Installation (Fixed Wireless Systems) (NC II) (160 hrs)

**Pre-requisite:** Computer Systems Servicing (NC II)

- Computer Programming (.net Technology) (NC III) (320 hrs)
- Computer Programming (Java) (NC III) (320 hrs) updated based on the TESDA Training Regulations published December 28, 2013

• Computer Programming (Oracle Database) (NC III) (320 hrs)

updated based on the TESDA Training Regulations

published December 28, 2013

Computer Systems Servicing (NC II) 10 updated based on the TESDA Training Regulations published December 28, 2013 (640 hrs)

### Specializations in LCT for ICT

**Contact Center Services** (NC II) (320 hrs) **Illustration** (NC II) (320 hrs) Medical Transcription (NC II) (320 hrs) **Technical Drafting** (NC II) (320 hrs) **Telecom OSP and Subscriber Line Installation** (Copper Cable/POTS and DSL) (NC II) (320hrs) **Pre-requisite:** Computer Systems Servicing (NC II) **Telecom OSP Installation** (Fiber Optic Cable) (NC II) (320 hrs) Pre-requisite: Computer Systems Servicing (NC II)

The Agri-Fishery Arts (AFA) and ICT Curriculum Delivery

AFA & ICT is offered in two category tracks:

1. Technology-based TLE

Exploratory – Grade 7 – 8 @ 40 hrs per quarter

 Specialization Course chosen from explored subjects. Grade 9 – 10

2. Technology and Vocational Livelihood (TVL) Track

• Grades 11 & 12 – continuation of the chosen specialization from Grade 9 and 10.

The Agri-Fishery Arts (AFA) and ICT Curriculum Delivery

#### The Technology-based TLE

• Exploratory – Grade 7 – 8 @ 40 hrs per quarter

#### **Common Competencies:**

(1) Use and maintenance of tools and equipment,

- (2) Mensuration and calculation,
- (3) Occupational health and safety procedures,
- (4) Preparation and interpretation of technical drawing.

The Agri-Fishery Arts (AFA) and ICT Curriculum Delivery

The TLE and TVL courses are taught based on the learning outcomes and performance criteria stated in the Training Regulations (TR) from TESDA which will enable the graduates to earn a National Certificate (NC) I, II or even an NC of higher level that is required by industry.

#### The Agri-Fishery Arts (AFA) Curriculum Delivery

#### The AFA Sample Curriculum Map

SAMPLE AGRICULTURE AND FISHERY ARTS CURRICULUM MAP\*\* (updated as of May 2016)

GRADE 7/8 (EXPLORATORY)		GRADES 9-12		
	Agricultural Crops Production (NC I)	•=== ******		
	A updated t	C III)* camber 28, 2013	8 soms	
	*^	gricultural Crops Production (N	c III)	8 sems
	Landscape Installation and Maintenance (	NC II) 4 seres	Organic Agriculture (NC II)	4 sem
	Pest Management (NC II)	4 мете	Rice Machinery Operation (NC I	II) 4 sere
	Animal Production (Swine) (NC II) updated based on TESDA Training Regulations published on December 1997			ing Operations e/Pig) (NC II) 2 sen
EXPLORATORY	Animal Production (Large Ruminants) (R upsted based or TESCA Training Regulations published on December	IC II)* *Artificial Int Rumina	semination: Large 2 mms Fish What ants (NC II)	arf Operation 2 ser
	Animal Froduction (Poultry-Chicken) ( updated based on TESDA Training Regulations published on Decem	VC II)* er 28, 2013 + sense *Anima	l Health Care Management NC III	4
	Rubber Production (NC II)	4 5000	Rubber Processing (NC II)	4 sea
		*Horticulture (NC III)		8 ser
		Food Processing (NC II)		8 sem
		Fish Capture (NC II)		8 sem
		Aquaculture (NC II)		8 sem
	Fish-Products Packaging (NC II)	+ some Fishin	g Gear Repair and Maintenance (NC I	II) 4 sem

Please note that these subjects have pre-requisites mentioned in the CG.

CG updated based on new Training Regulations of TESDA.

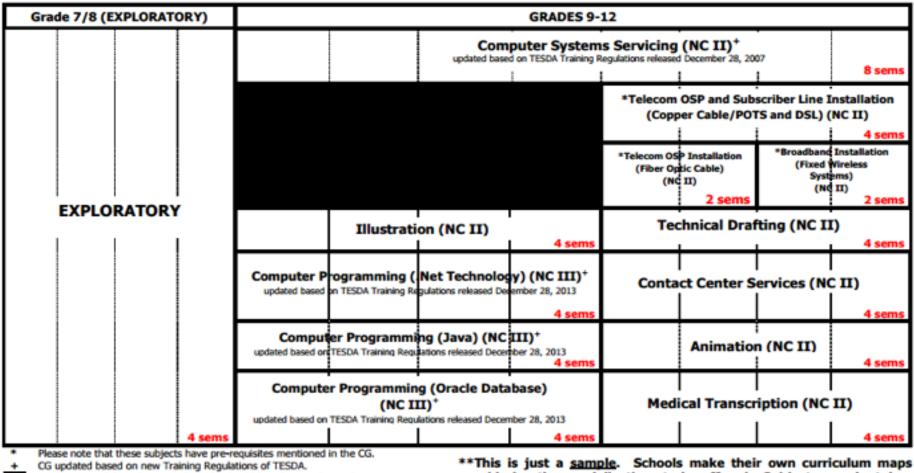
Other specializations with no prerequisites may be taken up during these semesters.

\*\*This is just a <u>sample</u>. Schools make their own curriculum maps considering the specializations to be offered. Subjects may be taken up at any point during Grades 9-12.

#### **The ICT Curriculum Delivery**

#### The ICT Sample Curriculum Map

#### SAMPLE ICT CURRICULUM MAP\*\* (as of May 2016)



Pre-requisites of the subjects to the right should be taken up during these semesters.

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\*\*This is just a <u>sample</u>. Schools make their own curriculum maps considering the specializations to be offered. Subjects may be taken up at any point during Grades 9-12.

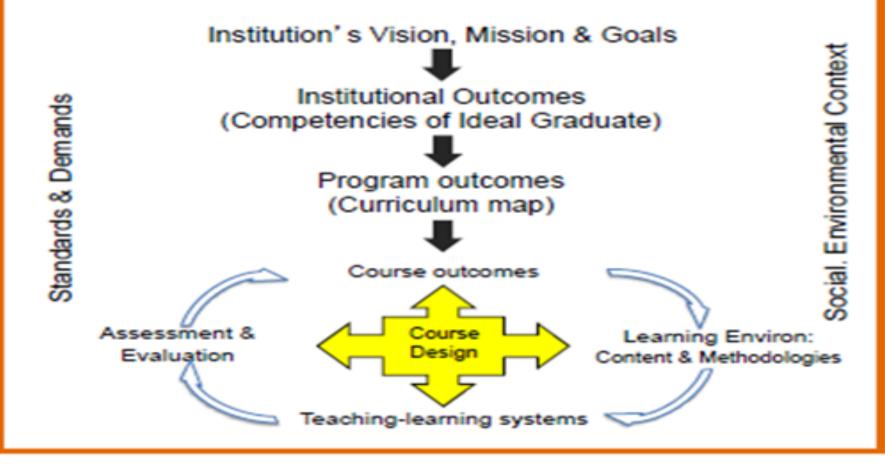
# The Assessment of Outcomes in the AFA / ICT Curriculum

- Assessment involves one or more processes that identify, collect, analyze, and report data that can be used to evaluate achievement of learning outcomes
- It uses relevant direct, indirect, quantitative and qualitative measures appropriate to the learning outcome.
- It is Alignment of learning outcomes, content, methodology and assessment

#### Assessment in AFA and ICT Outcomes-Based Education (OBE) Curriculum

• Outcomes-based Education (OBE) according to CHED is an approach that focuses and organizes the educational system around what is essential for all learners to know, value, and be able to do to achieve a desired level of competence

## Framework for Outcomes-based Education (OBE)



19 Framework for Outcomes-based Education (Adopted from CHED Handbook on Typology

## Classroom Assessment for K to 12 Basic Education (D.O. No.8 s. 2015)

Classroom Assessment is an integral part of curriculum implementation.
It allows the teachers to track and measure learners' progress and to adjust

instruction accordingly.

Classroom assessment informs the learners, as well as parents and guardians of their progress.

#### Classroom Assessment for K to 12 Basic Education (D.O. No.8 s. 2015)

Components	Purpose	When Given         At end of the topic or unit         At end of a lesson focusing on a topic/skill lesson         Several times during the quarter	
Written Work (WW)	<ol> <li>Assess learners' understanding of concepts and application of skills in written form</li> <li>Prepare learners for quarterly assessments</li> </ol>		
Performance Tasks (PT)	<ol> <li>Involve students in the learning process individually or in collaboration with teammates over a period of time</li> <li>Give students opportunities to demonstrate and integrate their knowledge, understanding, and skills about topics or lessons learned in a specific real-life situation by performing and/or producing evidence of their learning</li> <li>Give students the freedom to express their learning in appropriate and diverse ways</li> <li>Encourage student inquiry, integration of knowledge, understanding, and skills in various contexts beyond the assessment period</li> </ol>		
Quarterly Assessment 'QA)	essment Synthesize all the learning skills, concepts, an values learned in an entire quarter		

#### Classroom Assessment for K to 12 Basic Education (D.O. No.8 s. 2015) Table 5. Weight of the Components for SHS **Technical-Vocational** and Livelihood (TVL)/ Academic Track Sports/ Arts and Design Track Work Core Immersion/ Work Subjects Research/ Immersion/ All other Business All other Research/ subjects Enterprise subjects Exhibit/ Simulation/ Performance Exhibit/ Performance 1414.38 Written Work 25% 25% 35% 20% 11 Performance 50% 45% 40% 60% to Tasks 12 Quarterly 25% 30% 25% 20% Assessment 22 172172016

## "To work, the 21st century skills movement will require keen attention to curriculum, teacher quality, and assessment."

Andrew J. Rotherham and Daniel Willingham Teaching for the 21st Century

# THANK YOU VERY MUCH AND GOD BLESS EVERYONE...

11/21/2016