

# Learning Task 11

## Creating Instructional Materials

<b>PPST Domain 1</b>	<b>Domain 1. Content Knowledge and Pedagogy</b>
<b>Strands</b>	<b>1.3.1</b> Show skills in the positive use of ICT to facilitate the teaching and learning process
<b>Program Outcomes of Teacher Education</b>	<b>6.2.d</b> Develop resources for for diverse learners <b>6.2.e</b> Apply skills in the developing and utilization of ICT to promote quality, relevant and sustainable educational practices
<b>CFS AT</b> Competency Framework for Southeast Asian Teachers for the 21 <sup>st</sup> Century	<b>6.E.1</b> Acquire knowledge and skills in the use of teaching and learning resources <b>6.E.2</b> Develop teaching and learning resources appropriate for the lesson <b>6.E.3</b> Utilize appropriate teaching and learning resources for the lesson <b>6.E.4</b> Integrate use of ICT in teaching and learning



### Desired Learning Outcomes

- Prepare PowerPoint presentation aligned with the learning outcomes
- Show skills in the positive use of ICT to facilitate the teaching and learning process



### Essential Questions

- What are instructional materials?
- Why are instructional materials needed in the teaching-learning process?



### Understandings

Instructional materials are tools used in instructional activities. They may either be print, non-print or electronic materials.

The positive use of Information Communications Technology (ICT) facilitates the teaching-learning process. Educational ICT tools can be divided into three (3) categories input source, output source or others.

Researchers have shown that the use of ICT contributes to improve teaching methods and strategies.

Advantages of the use of ICT in Education

- improves learners' concentration and retention
- ensures comprehension of complex instructions
- creates interactive classes and lessons are more enjoyable and entertaining

## Disadvantages of ICT tools in Education

- very costly
- can be very troublesome in setting up the device
- very difficult for teacher to use due to lack of experience/expertise

source: elmoglobal.com





## **My Performance Tasks**

### **Performance Task 1**

List down ten (10) topics in your content area and search materials which you can use from [www.slideshare.net](http://www.slideshare.net)

<b>Topics</b>	<b>Possible slideshare lessons</b>
Introduction to Statistics	<a href="http://tinyurl.com/y2kqzown">http://tinyurl.com/y2kqzown</a>
Graphs and Charts	<a href="http://tinyurl.com/y2fk6lsl">http://tinyurl.com/y2fk6lsl</a>
Frequency Distribution Table	<a href="http://tinyurl.com/y2xofpkr">http://tinyurl.com/y2xofpkr</a>
Measures of Central Tendencies (ungrouped data)	<a href="http://tinyurl.com/yykx3m2y">http://tinyurl.com/yykx3m2y</a>
Mean (grouped data)	<a href="http://tinyurl.com/yy8wuo7b">http://tinyurl.com/yy8wuo7b</a>
Mode (grouped data)	<a href="http://tinyurl.com/y64orfod">http://tinyurl.com/y64orfod</a>
Range (ungrouped data)	<a href="http://tinyurl.com/yy2kgas4">http://tinyurl.com/yy2kgas4</a>
Average Deviation (ungrouped data)	<a href="http://tinyurl.com/y4csjsac">http://tinyurl.com/y4csjsac</a>
Variance and Standard Deviation (ungrouped data)	<a href="http://tinyurl.com/yysos5fc">http://tinyurl.com/yysos5fc</a>
Measures of Variability (grouped data)	<a href="http://tinyurl.com/y2ft8ocn">http://tinyurl.com/y2ft8ocn</a>

### **The 10 ESSENTIAL ICT TOOLS**

- Google groups
- Blogs
- Google Docs
- Slide share
- Wikis
- Jamuse, Mussewory
- Google Maps
- Virtual Earth
- Book marking
- Free mind

Source: <https://www.slideshare.net>.ICT\_Advisor ICT toolsppt

## **Performance Task 2**

Surf more on ICT in Education. Take down notes and write them here, or print and attach them on these pages.

### **NOTES**

- **To promote and improve the digital culture in schools and colleges, the government has instituted the National Award for innovative use of ICT to motivate the Teachers and educators for innovative use of ICT in teaching-learning.**
- **Policy -makers accepts that ICT in education can help the students to compete in the global economy by being part of a skilled workforce and facilitate social mobility**
- **The rising number of Massive Open Online Courses(MOOCs) like the coursera, khan academy, and edx tells us that there is a huge demand for off-the-classroom learning facilities.**
- **The Mobile learning (m -learning) as a form of e -learning is a rising trend where the education has outgrown the physical constraints of the classrooms and acquired mobility.**
- **A report made by the National Institute of Multimedia Education in Japan, proved that an increase in the use of ICT in education with integrating technology to the curriculum has a significant and positive impact on students' achievements.**
- **The results specifically showed that the students who are continuously exposed to technology through education has better 'knowledge', presentation skills, innovative capabilities, and are ready to take more efforts into learning as compared to their counterparts.**
- **Online interactions would facilitate learning without time constrains and it will be much more easier to conduct**

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**assessments and generate reports, since the necessary information doesn't have to be manually handled.**



## **Performance Task 3**

Surf on the present status on ICT Education in the Philippines Take down notes and write your insights on this page.

### **NOTES**

- 2-22-19      Leyte teachers urged to adopt ICT to respond to students' needs**
- 3-10-19      Nonprofits launch computer science program for underprivileged students**
- 3-17-19      DepEd launches cyber expo on education, technology**
- 3-24-19      Personal Computers For Public Schools (PCPS) funded by the government of Japan through its non-project grant aid counter value fund (NPGA-CVF)**

### **INSIGHTS**

**In 2018, the World Economic Forum ranked the Philippines 53rd among 63 countries in terms of digital competitiveness. If that's not disturbing enough, a report from the Department of Education (DepEd) further states that only 26 percent of public schools in the country has internet access.**

**At the same time, the current school curriculum only offers computer programming in senior high school for the ICT strand of the Technical Vocational Track. There is also a lack of ICT devices in many schools nationwide as computer laboratories are still being built.**

**The Department of Education (DepEd) should seriously consider revising the curriculum to ensure that public school students are taught basic computer programming or coding skills that would make the Filipino youth "far more valuable in the 21st century workplace". What we teach and encourage our learners to learn from school has to be relevant to the 21st century, to our needs, and has to be responsive to the challenges that our country faces at this time. Good thing Education Secretary Leonor Briones is on the right track by touching on the need to rework the country's**

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**basic education curriculum so that it is responsive to the demands of the times.**

**As a teacher, I should take extra effort to learn to integrate the positive use of ICT in my lessons to connect with our current learners who are digital natives. Technology is the language of our learners today thus we, as teachers, should be able to speak the same language, for us to better understand each other.**





## My Assessment Tasks

Choose the letter of the correct answer.

- your
1. What must be the number one consideration in preparing instructional materials?
- A. The learners      C. The learning content  
B. The cost                      D. The objectives
- should you
2. You prepared a PowerPoint presentation on verbs for your English class however there was a power cut off. Which do?
- A. Go to another lesson.  
 B. Use the available materials in class.  
C. Borrow learning materials from another teacher.  
D. Give a seatwork instead.
- must
3. Ms. Rufo is teaching in a multi-grade class. What materials she employ?
- A. Less-costly materials  
B. Electronic materials  
 C. Differentiated materials  
D. Commercially-made materials
4. What is one of the disadvantages in using ICT in education among senior teachers?
- A. It is costly.  
B. It is complicated.  
C. It is very troublesome.  
 D. It is difficult to use due to lack of expertise.
5. What does research show on the use of ICT?
- A. It is easy to use.  
B. It is accessible.  
C. It is costly.  
 D. It ensures interactive classes.

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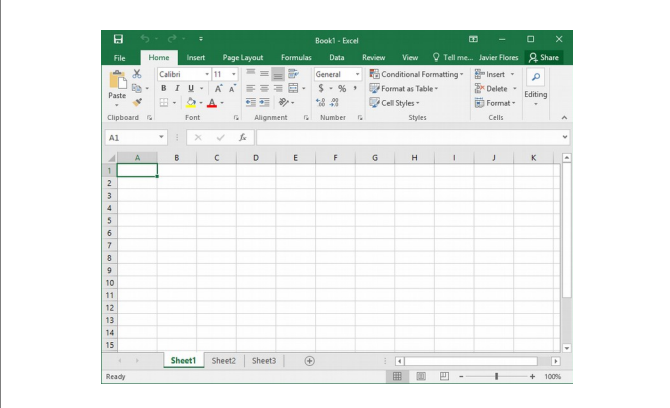
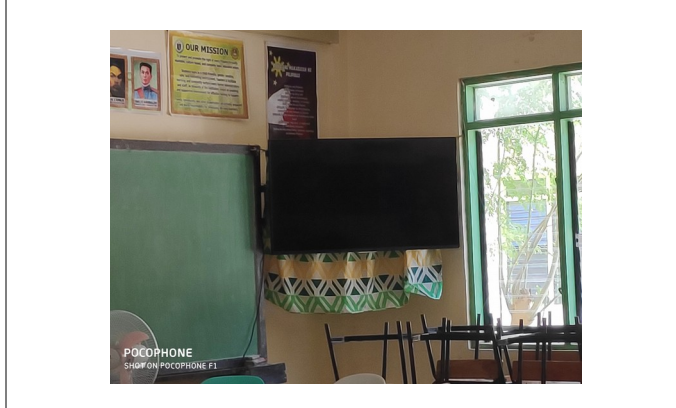
## My Learning Artifact(s)

Obtain pictures/printscreens of the ICT learning materials/resources you used. State how they were utilized in your lessons..



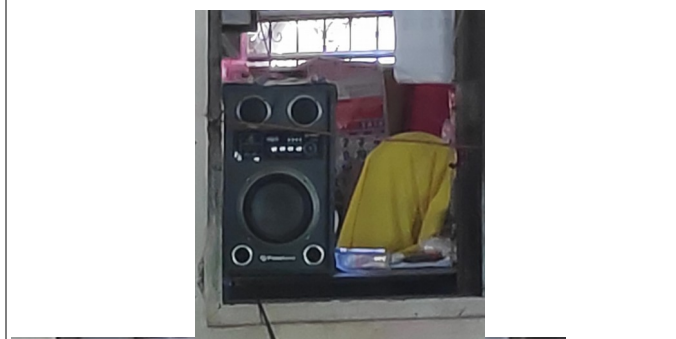
**The projector is used to present presentations/videos if a monitor is not available.**

**The sync buzzer application is used during a classroom activity.**



**The monitor is used to project any presentations, videos, and also instructions on the lesson delivery.**

**Microsoft Excel is used to determine the mean, median, and mode of a data.**



**Computers are used as mediums to develop the ICT skills of learners.**



## My Scoring Rubric

INDICATORS	Meets Standard of Excellence	Approaching Standard of Excellence	Meets Acceptable Standard	Does Not Meet Acceptable Standard
CRITERIA	4	3	2	1
<b>Performance Tasks</b>	<ul style="list-style-type: none"> <li>Has all the aspects of work that exceed level of expectation.</li> <li>Shows exemplary performance</li> </ul>	<ul style="list-style-type: none"> <li>Has some aspects of work that exceed level of expectation.</li> <li>Demonstrates solid performance and understanding</li> </ul>	<ul style="list-style-type: none"> <li>Has minimal aspects of work that meet level expectation.</li> <li>With some errors and MASTERY is not thorough</li> </ul>	<ul style="list-style-type: none"> <li>No aspect of work meets level of expectations.</li> <li>Has errors omissions and misconceptions</li> </ul>
<b>Assessment Tasks</b>	With 5 correct answers	With 4 correct answers	With 3 correct answers	With less than 3 correct answers
<b>Learning Artifacts</b>	The piece/s of evidence of learning is/ are aligned with learning outcomes.	The piece/s of evidence of learning is/are aligned with <u>SOME</u> of the learning outcomes.	The piece/s of evidence of learning is/are aligned with <u>ONE</u> of the learning outcomes.	The piece/s of the piece/s of evidence of learning is/are <u>NOT</u> aligned with the learning outcomes.
<b>Creativity and Resourcefulness</b>	The learning tasks are done very creatively and resourcefully.	The learning tasks are done creatively and resourcefully.	The learning tasks are done quite creatively and resourcefully.	The learning tasks are poorly done and need improvement.
<b>Submission of Requirements</b>	The assigned learning tasks are submitted on or before the deadline.	The assigned learning tasks are submitted a day after the deadline.	The assigned learning tasks are submitted 2 days after the deadline.	The assigned learning tasks are submitted 3 days or more after the deadline.
<b>MY TOTAL SCORE</b>				

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Signature of Practicum Supervisor