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Empowerment Technologies
Quarter 1 - Module 5: Collaborative ICT Development

This instructional material was collaboratively developed and reviewed by educators from public and private schools, colleges, and or/universities. We encourage teachers and other education stakeholders to email their feedback, comments, and recommendations to the Department of Education at action@deped.gov.ph.

We value your feedback and recommendations.

Department of Education ● Republic of the Philippines
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What I Need to Know

**Introduction**

ICT skills are one of the basic skills that every 21st Century learner nowadays should possess. ICT empowerment enables everyone connected to even in the farthest parts of the world. With the aid of ICT development, one can establish connections and work collaboratively to maintaining order in the community.

At the end of the two week period, you should be able to develop an online portal or website to showcase and share existing and previously developed content that can be navigated through the use of gadgets such as cellular phones, computer and etc. These may be in the form of, but are not limited to an online newsletter, Blog, Video log (Vlog), or online magazine.

**Content**

Collaborative development of ICT content covers the following topics:

1. Team structure and dynamics for ICT content;
2. Online collaborative tools and processes;
3. Project management for ICT content; and

**Learning Competencies**

1. Evaluate the quality, value and appropriateness of peer’s existing or previously developed ICT content in relation to the theme or intended audience/viewer of an ICT project. **CS_ICT11/12-ICTPT-li-j-12**
2. Share and showcase existing or previously developed material in the form of a collaboratively designed newsletter or blog site intended for a specific audience or viewer. **CS_ICT11/12-ICTPT-li-j-13**

**Objectives**

At the end of the class period, the teacher should be able to:

1. Facilitate learning to allow students to curate previously created content and create a collaboratively designed newsletter or blog site for a specific audience.
2. Assist students so they may practice doing an evaluation on the basis of quality, value, and appropriateness of a peer’s work and decide on how to improve on it;
3. Make the students practice collective decision-making such as coming up with criteria to choose which works previously created within the semester they can include in the final output (newsletter or blog site); and
4. Make students collaboratively manage the production of the chosen output.
<table>
<thead>
<tr>
<th>Icons of this Module</th>
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<tbody>
<tr>
<td><strong>What I Need to Know</strong></td>
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<tr>
<td><strong>What I know</strong></td>
</tr>
<tr>
<td><strong>What’s In</strong></td>
</tr>
<tr>
<td><strong>What’s New</strong></td>
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<tr>
<td><strong>What is It</strong></td>
</tr>
<tr>
<td><strong>What’s More</strong></td>
</tr>
<tr>
<td><strong>What I Have Learned</strong></td>
</tr>
<tr>
<td><strong>What I can do</strong></td>
</tr>
</tbody>
</table>
What I Know

Multiple Choice: Select the letter of the best answer among the given choices.

1. It is an online publication that contains information, database and updates that is intended to a special group of viewers.
   A. Mozilla Firefox C. Web News
   B. Web Page D. Google Chrome

2. Which of the following is NOT an aim for online collaboration tool?
   A. Preventing distance barrier C. Communication Online
   B. Productivity D. Able to be physically together

3. A tool classified in the Microsoft office that is use to make document type of files and is usually ends in .docx extension.
   A. Microsoft Excel C. Microsoft PowerPoint
   B. Microsoft Word D. Microsoft Publisher

4. A tool under Microsoft office that aims to make calculations through cells packed in a particular workspace called spread sheets ________?
   A. Microsoft Excel C. Microsoft PowerPoint
   B. Microsoft Word D. Microsoft Publisher

5. Which is NOT a function of BLOGS as one the collaborative tools?
   A. Allows admin to read, edit, add and delete posts.
   B. Allow blogs that includes media file type like image and videos.
   C. Allows users to post updates.
   D. Allows multiple people for contribution.

6. What does ICT stands for?
   A. Information and Communication Technology
   B. Information and Copyright Technology
   C. Information and Connection Technology
   D. Information and Copyright Technical

7. HTML means ______________.
   A. HyperText Markup Language
   B. HyperText Mark Language
   C. HypeTech Mark Location
   D. HypeTech Markup Location

8. The following are the sources of information EXCEPT ____________.
   A. Computer C. Television
   B. Mobile phone D. Printer
9. Collaborative ICT enables a person to be the following EXCEPT ______________.
   A. Enables learners to establish common goals
   B. Enhances rate for interactivity
   C. Give ambiguous instructions and outcome
   D. Promotes development for interpersonal communication

10. The following are platforms use for collaborative ICT development except ____________.
    A. Microsoft Office
    B. Blogs
    C. eBooks
    D. magazines

11. Online repository of files arranged by folders.
    a. Cloud storage
    b. Database
    c. Archive
    d. Logs

12. Which of the following does not belong to the group?
    A. Facebook
    B. Instagram
    C. Twitter
    D. Blogger

13. Which of the following is designed for web community?
    A. eBook
    B. Newsletter
    C. Web Page
    D. Magazine

14. What does URL stands for?
    A. Uniform Resource Locator
    B. Uniform Residence Location
    C. Universal Residence Location
    D. Universal Resource Locator

15. Google apps include the following except ______________.
    A. YouTube
    B. Gmail
    C. Mozilla Firefox
    D. Translate
Collaborative ICT Development

Web Page is a document written in HTML (Hypertext Markup Language) that can be made accessible through the use of internet or using an Internet browser. A web page is accessed through the use of a URL (Uniform Resource Locator) address and may contain text, graphics, and hyperlinks to other web pages and files.

A web page contain can be in a form of an online publication, online newsletter (such as advertisements or write ups) containing news of interest chiefly to a specific group. A web page is the primary source for information dissemination in the web community. Through it, different platforms made to make users and viewers share information and build collaboration-connection to one another.

Below is an example of a web page depicting the owner and users view.

Photo credit: https://www.youtube.com/
Online collaborative tools come in different kinds of platforms used for ICT development. These platforms enable users and admins to promote interpersonal communication, enhance interactivity, establish a common goal that will result in greater outcome of ICT readiness on an individual or group. Hence, below are some of the most common samples for platforms in collaborative ICT development.

Examples of different platforms in ICT Development

What's New

Activity No. 1 Crafting of Web Page/Blog through online platforms

Now it’s time to do our own web page using different types of platforms of your choice.

Do the following instructions listed below:

1. Create a website or use an existing one with the aid of but not limited to Google site or any related platforms such as Blogger, Wiki and etc. If your choice is http://blogger.com the image next page will come out when you go to their webpage to create your own idea and design.
Online collaborative tools comes in different kinds of platforms used for ICT development. These platforms enable users and admins to promote interpersonal communication, enhance interactivity, establish common goals that will result in greater outcome of ICT readiness on an individual or group. Hence below are some of the most common samples for platforms in collaborative ICT development.

**Photo Credit:** https://www.google.com/

### Crafting Web Page/Blog through Online Platforms

Now it's time to do our own webpage using different types of platforms of your choice. Do the following instructions listed below:

1. Create a website or use an existing one with the aid of but not limited to Google Sites or any related platforms such as Blogger, Wiki, and etc. If your choice is http://blogger.com the image next page will come out when you go to their webpage to create your own idea and design.

**Example of different platforms in ICT Development**

In the photo guide above you can click “CREATE YOUR BLOG” button to start designing your own blog of choice.

**Photo Credit:** https://www.blogger.com/

Click here to start creating your own blog.
On the other hand if your choice is others then please feel free to go to their website or page. Some example for the creation of website is shown next page.

Photo credit: https://www.wix.com/

Click “Get Started” to create your choice of website, as shown in the image above.

Fill in this area to create your own blog

Note: Follow instructions written inside the dialog box to help you guide with your work.
On the other hand, if your choice is others, then please feel free to go to their website or page. Some examples for the creation of websites are shown next page.

**Photo credit:** https://www.wix.com

Click "Get Started" to create your choice of website, as shown in the image above. Note: Follow instructions written inside the dialog box to help you guide with your work.

---

**Wix**

**LET’S GET STARTED**

We want your Wix experience to be perfect for your needs. Answer a few questions to help us get to know you better.

Click here

Let’s Do It

---

**Wix**

**CHOOSE HOW YOU WANT TO CREATE YOUR WEBSITE**

**Let Wix ADI Create a Website for You**

Answer a few simple questions and automatically get a website designed just for you in minutes.

Click here

Start Now

---

**Create Your Website with the Wix Editor**

Start with a template and make it your own, with easy drag and drop & 1000s of design features.

Choose a Template
2. Before creating your own webpage open the link provided to help you access sample site for website creation. (https://support.google.com/sites/answer/4417369?hl=en&ref_topic=23216&rd=1)

3. To further help you with your website creation or blog form, fill in the following blanks which will serve as key points that may contain in your site. You can write your response in the document file or in a note. Remember these questions may serve as your guide in your website development.

- The issue that matters to me is ________________ (cause or advocacy)
- I could use my ________________ (Talent)
- To make a difference by ________________ (Action)

"What is it that I want to share to the world?"

Take Note: You can add additional information such as your personal viewpoints, pictures, data collected and others to enhance your page.
4. When done creating your site, present to class/ or choose a partner to evaluate your work. Use the provided rubric when evaluating classmate’s work but pay closer attention to the Categories labelled “Content” and “Target Purpose”. Open the link and use this rubric to assess your classmates output. photo credit: http://www.galileo.org/tips/rubrics/website_rubric.pdf

<table>
<thead>
<tr>
<th>Keep Working</th>
<th>Getting There</th>
<th>Got It</th>
<th>Got It</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Content</strong></td>
<td>Information is inaccurate or contains significant gaps</td>
<td>Information is accurate but not always complete</td>
<td>Information offers a comprehensive and accurate picture of the topic</td>
</tr>
<tr>
<td>Information comes from few sources</td>
<td>Limited research scope</td>
<td>Adequate research scope</td>
<td>Content is fresh, original, Insightful</td>
</tr>
</tbody>
</table>

**What is it**

As you are done with your web page creation through your choice of platform, we now go to evaluating the type, design and quality of web page you made.

Hence let us first get acquainted with the different types of media platform for online collaborative ICT Development. Platforms that may be currently used to host newsletters and similar ICT content related information which include but are not limited to are as follows for (a) Presentation and visualization platforms such as Prezi, Zoho, Slideshare and Mindmeister. For (b) cloud computing, e.g. Google Apps. (C) Social Media venues include Facebook Pages, Tumblr, Instagram and Pinterest. Development of (d) web page in which Wix, Weebly and Google Sites and lastly (e) Blog or Publisher sites such as Blogger, Wordpress, Livejournal, Issuu and Google Sites.

Theses several choice of platforms contributes to accessing and working collaboration through peers with the use of ICT.
**Activity No. 2: Collaborative Designed Website**

Using the same website/page in Activity 1, evaluate the quality, value and appropriateness of your classmate/peers’ existing developed ICT content or media. Use the rubric attach in evaluating classmate’s designed website, or blog. Or you can access the rubrics through this url: http://www.galileo.org/tips/rubrics/website_rubric.pdf

<table>
<thead>
<tr>
<th>Target and Purpose</th>
<th>Keep Working</th>
<th>Getting There</th>
<th>Got It</th>
<th>Got It</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site lacks a sense of purpose.</td>
<td>Purpose may be somewhat unclear</td>
<td>Site has a clear purpose</td>
<td>Very strong understanding of who the site was created for.</td>
<td></td>
</tr>
<tr>
<td>No indication that the site was created for a target audience other than teacher-as-grader</td>
<td>Target audience is identified, and some choices are appropriate for this audience</td>
<td>Major elements of the site are appropriate for the target audience</td>
<td>All elements of the site are engaging and appropriate for the target audience.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Content</th>
<th>Information is inaccurate or contains significant gaps</th>
<th>Information is accurate but not always complete</th>
<th>Information offers a comprehensive and accurate picture of the topic</th>
<th>In-depth research calls on a wide variety of resources</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Information comes from few sources</td>
<td>Limited research scope</td>
<td>Adequate research scope</td>
<td>Content is fresh, original, insightful</td>
</tr>
</tbody>
</table>
### Activity No. 2: Collaborative Designed Website

Using the same website/page in Activity 1, evaluate the quality, value, and appropriateness of your classmate/peer's existing developed ICT content or media. Use the rubric attached in evaluating classmate's designed website or blog. You can access the rubric through this URL:

http://www.galileo.org/tips/rubrics/website_rubric.pdf

#### Crediting Sources

<table>
<thead>
<tr>
<th>Source</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>No reference of original sources</td>
<td>Sources of information are acknowledged</td>
</tr>
<tr>
<td>Information is copied without permission</td>
<td>Most permissions have been secured</td>
</tr>
<tr>
<td>Sources of information are credited in standard formats.</td>
<td>All permissions secured</td>
</tr>
<tr>
<td>Sources of information are credited in standard formats.</td>
<td>All permissions are secured and organized for future reference</td>
</tr>
</tbody>
</table>

#### Development of Ideas

<table>
<thead>
<tr>
<th>Ideas/Context</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>May contain many facts, but they are not developed as ideas, themes or connections</td>
<td>Some interpretation of facts</td>
</tr>
<tr>
<td></td>
<td>Connections with larger contexts are not always clear</td>
</tr>
<tr>
<td></td>
<td>Ideas, themes or patterns are developed</td>
</tr>
<tr>
<td></td>
<td>Makes connections with larger contexts</td>
</tr>
<tr>
<td></td>
<td>Ideas and interpretations are insightful</td>
</tr>
<tr>
<td></td>
<td>Connections with larger contexts are sophisticated creative and comprehensive</td>
</tr>
</tbody>
</table>

#### Home Page

<table>
<thead>
<tr>
<th>Page Layout</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home page is missing, or does not function to bring user into the site</td>
<td>Home page is functional</td>
</tr>
<tr>
<td></td>
<td>Home page is aesthetically pleasing and gives a clear sense of purpose for the whole site</td>
</tr>
<tr>
<td></td>
<td>Home page draws user into the site in a compelling way</td>
</tr>
<tr>
<td></td>
<td>Home page readily orients users to the site</td>
</tr>
</tbody>
</table>

#### Layout

<table>
<thead>
<tr>
<th>Page Layout</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Layout of pages is confusing, or cluttered or dull</td>
<td>Page layout may be 'busy' or unimaginative</td>
</tr>
<tr>
<td></td>
<td>Unreflective use of a template</td>
</tr>
<tr>
<td></td>
<td>Page layout is interesting and appropriate for content</td>
</tr>
<tr>
<td></td>
<td>Layout is appropriate for the content.</td>
</tr>
<tr>
<td></td>
<td>Page layout is creative and effective</td>
</tr>
<tr>
<td></td>
<td>Layout effects and extends the ideas and content</td>
</tr>
<tr>
<td>Functionality</td>
<td>User becomes lost in navigating on or between pages</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Problems with functionality frustrate the user</td>
<td>Some elements of functionality may not work as intended, or may not meet the needs of the target audience</td>
</tr>
<tr>
<td>Functionality</td>
<td>Functionality is appropriate for target audience and accomplishes the purpose</td>
</tr>
<tr>
<td>Organization</td>
<td>Headings or paragraph breaks are not used to create hierarchies or orient reader to text</td>
</tr>
<tr>
<td>Headings and first paragraphs of longer text interest reader to go further into the text</td>
<td>First paragraphs of longer text intrigue reader and draw them into the text.</td>
</tr>
<tr>
<td>Language and Conventions</td>
<td>Errors in grammar and usage interfere with meaning</td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>Many punctuation and spelling errors</td>
</tr>
<tr>
<td></td>
<td>Writing style is not effective for the purpose</td>
</tr>
<tr>
<td></td>
<td>Site requires extensive editing</td>
</tr>
<tr>
<td></td>
<td>Errors in grammar and usage</td>
</tr>
<tr>
<td></td>
<td>are noticeable, but do not interfere with meaning</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Graphic Elements (backgrounds, font, text color, tables, lists, white space, images, etc.)</th>
<th>Poor quality of graphic elements</th>
<th>Inconsistent quality of graphic elements</th>
<th>Graphic elements are good quality</th>
<th>Creative design causes backgrounds and other formatting elements to work exceptionally well together</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No sense of purpose for the inclusion of graphic elements</td>
<td>Graphics are used as ‘add-on’s’ rather than as an element of meaning</td>
<td>Graphic elements contribute to meaning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Little or no evidence of design principles</td>
<td>Some awareness of graphic design principles is evident</td>
<td>Graphic design principles are followed</td>
<td></td>
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<td></td>
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|                         |                                                   |                                                    |                                  |                                                   |
### Integration of Multimedia Elements

<table>
<thead>
<tr>
<th></th>
<th>Draws on a limited number of multimedia elements</th>
<th>Multimedia elements are often decorative, or are confusing</th>
<th>Multimedia elements support and develop content</th>
<th>Multimedia elements are an integral part of content</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Multimedia elements do not develop the topic</td>
<td>Too many multimedia elements, or failure to compress causes slow download times</td>
<td>Downloading is acceptably fast</td>
<td>Multimedia elements are used in a highly creative way.</td>
</tr>
</tbody>
</table>

As you go through evaluating your peers work, images above shows the content of the rubrics use. Once you are done evaluating each other's works you can proceed to sharing your presentation to the whole class. Make sure to made constructive corrections for the work to further enhance the platform.

#### What I Can Do

**Activity No. 3: Evaluating Content and Interest on a Website**

1. Open the link provided http://j.mp/GoldxL, this link directs you to the Gold Foundation Website. (Please see next page for sample website that the class will be using during evaluation).
Integration of multimedia elements (sound clips, images, frames, hyperlinks, image maps, etc) draws on a limited number of multimedia elements. Multimedia elements do not develop the topic. Multimedia elements are often decorative, or are confusing. Too many multimedia elements, or failure to compress causes slow download times. Multimedia elements support and develop content. Downloading is acceptably fast. Multimedia elements are an integral part of content. Multimedia elements are used in a highly creative way.

As you go through evaluating your peers work, images above shows the content of the rubrics use. Once you are done evaluating each other's works you can proceed to sharing your presentation to the whole class. Make sure to made constructive corrections for the work to further enhance the platform.

**What I Can Do**

**Activity No. 3:** Evaluating Content and Interest on a Website

1. Open the link provided http://j.mp/GoldxL, this link directs you to the Gold Foundation Website (Please see next page for sample website that the class will be using during evaluation).

2. Look for a pair or you can be paired with your previous teammate. Together, you exchange ideas on evaluating the content and interest of the sample site given.

3. In evaluation, use the rubric provided by opening this URL, http://www.u.arizona.edu/~ackers/rubric.jpg

4. You and your peers' evaluation should go together to come up with one common rating.

*Photo Credit: http://goldfoundation.weebly.com/about.html*
Activity 4: Synthesizing Your Learning

Answer the following questions based on your learning. Be brief and concise.

1. Based on your readings of the discussion what are the different types of platforms for collaborative ICT design?
   a. ___________________________
   b. ___________________________
   c. ___________________________
   d. ___________________________
   e. ___________________________

2. Of the list you provided in number 1, which platform you most often use in sharing your concepts online? Why do you prefer to use this?

   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________

3. In your own understanding, what do you think is the importance of staying updated to the online community? How does it help/reflect your daily living?

   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
Assessment

Multiple Choice: Select the letter of the best answer among the given choices.

1. Collaborative ICT enables a person to be the following EXCEPT
   A. Enables learners to establish common goals
   B. Enhances rate for interactivity
   C. Give ambiguous instructions and outcome
   D. Promotes development for interpersonal communication

2. It is an online publication that contains information, database and updates that is intended to a special group of viewers.
   A. Mozilla Firefox      C. Web News
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   B. Productivity                  D. Able to be physically together

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   A. HyperText Markup Language  
   B. HyperText Mark Language  
   C. HypeTech Mark Location  
   D. HypeTech Markup Location

9. The following are the sources of information EXCEPT ____________.
   A. Computer  
   B. Mobile phone  
   C. Television  
   D. Printer

10. Which of the following does not belong to the group?
    A. Facebook  
    B. InstaGram  
    C. Twitter  
    D. Blogger

11. The following are platforms use for collaborative ICT development except ____________.
    A. Microsoft Office  
    B. Blogs  
    C. eBooks  
    D. magazines

12. Online repository of files arranged by folders.
    A. Cloud storage  
    B. Database  
    C. Archive  
    D. Logs

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    A. YouTube  
    B. Gmail  
    C. Mozilla Firefox  
    D. Translate

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    A. Book  
    B. Newsletter  
    C. Web Page  
    D. Magazine

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B. Gmail
C. Mozilla Firefox
D. Translate

14. Which of the following is designed for the web community?
A. Book
B. Newsletter
C. Web Page
D. Magazine

15. What does URL stands for?
A. Uniform Resource Locator
B. Uniform Residence Location
C. Universal Residence Location
D. Universal Resource Locator
Activity 1: Crafting of Web Page/Blog through Online Platforms

Guide Questions Sample Answer:

- The issue that matters to me is Global Warming (cause or advocacy).
- I could use my photography skills to capture scenery related to it.
- To make a difference by I will post updates using pictures with caption on it.

Activity No. 3: Collaborative Designed Website

Output for this Activity should be related and specifically identified in the rubrics. The following should also be observed in the output:

- Page layout is creative and effective.
- Sources of information are credited in standard formats.
- In-depth research calls on a wide variety of resources.
- Very strong understanding of who the site was created for.

Activity No. 3: Collaborative Designed Website
Activity 1: Crafting of Web Page/Blog through Online Platforms

Guide Questions

Sample Answer:

- The issue that matters to me is Global Warming (cause or advocacy).
- I could use my photography skills to capture scenery related to it. (Talent)
- To make a difference by I will post updates using pictures with caption on it. (Action)

Activity No. 3 Collaborative Designed Website

Output for this Activity should be related and specifically identified in the rubrics.

The following should also be observed in the output.

- Very strong understanding of who the site was created for.
- In-depth research calls on a wide variety of resources.
- Sources of information are credited in standard formats.
- Page layout is creative and effective
- Site has been fully edited to be free of errors in grammar, usage and mechanics.

KEY TO ANSWER

1. Different Types of Platforms

- A. Presentation and Visualization
- B. Cloud Computing
- C. Social Media
- D. Web Page
- E. Blog or Publisher Sites

Activity 4: Synthesizing Your Learning Answer Key:

1. Different Types of Platforms
2. This is a subjective type of question.
3. Since nowadays we are gearing towards the 21st Century in which being connected to everyone is not impossible through the use of the web. The importance of staying updated to current events enable anyone to be fully informed and aware of any issue that may cause inherent change in themselves and others. Avoid unnecessary information that may cause irrelevant and misconceptions, through the use of the web. The web have enhanced the way of living and equipment us with daily needs that we formerly have been unable to access.

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References:

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For inquiries or feedback, please write or call:

Department of Education - Bureau of learning Resources
Zone 1, DepEd Building Masterson Avenue, Upper Balulang,
Cagayan de Oro City, 9000
Telefax: (088) 880 7072
E-mail address: region10@deped.gov.ph