

SCIENCE, TECHNOLOGY, AND SOCIETY

Module Facilitation Guide

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MODULE FACILITATION GUIDE

| Course Code | GED0104 | Course Title | Science Technology and Society |
|---------------------------------|--|--|---|
| Module 1 Title | The Scientific Revoluti | ion | |
| Modular Learning Outcomes | Revolution and perspectives in nature by using Analyze the impadvancement of Critically reflect of knowledge and | determine philosophy a graphic plications of science ar of on the "so nd the adva | and discoveries of the Scientific how they influence modern society's y, religion, and their relationship with organizer; of scientific revolution to the nd technology; and uperiority" of science from other bodies antages and disadvantages it has brought gumentative oral presentation. |
| Resource materials | | A Brief Hi | Scientific Revolution – The Discovery of story of Humankind. Signal Books. (read d by the facilitator. |
| Reminders | home. 2. Make sure to prassessments) fo 3. Decide if you wagroup activity. If 4. Ensure that the section, and dat 5. You may ask th 6. Provide working students if they 7. Make sure to fa | repare a sar r the stude yould want Prepare thi students w es on their em to take g time/time need exter cilitate lear rning and u | this to be an individual, paired work or a s in advance. ill write/include their complete names, paper/activity. pictures of the activity. e allotment for the activity. Ask the asion to accomplish the work. rning by going around every groups/pair understanding or ask questions to ensure |



| A. Preliminary | Categorizing Grid | | |
|----------------------|---|--|--|
| Activities | | | |
| These are initial | As a group, the students will be given 15 minutes to create a one-slide | | |
| activities that | presentation that evaluates one (1) specific scientific/technological | | |
| learners will do to | advancement on how it influences the nexus of science, technology, and | | |
| exhaust the | society based on the assigned reading material. | | |
| content of the | | | |
| resource material. | Each group will be given 5 minutes to present. | | |
| | | | |
| | Scientific/technological | | |
| | advancement | | |
| | Field to which it is | | |
| | | | |
| | How did the scientific/technological advancement influence nexus of STS? | | |
| | SCIENCE TECHNOLOGY SOCIETY | | |
| | | | |
| | | | |
| | | | |
| B. Deepening of | Question Circle | | |
| understanding | | | |
| These are | 1. Divide the class into 4 or 5 groups. | | |
| activities that | 2. Each group will compose two questions that they would like to ask | | |
| learners will do to | the author about the reading material. The questions should be | | |
| analyze, evaluate, | about the concepts they were not able to fully grasp or understand | | |
| and/or synthesize | and/or concepts they would like to know more about. | | |
| the content of the | 3. Each group will read their questions aloud to the class and the | | |
| resource material. | other group (the group next to them) will try to give their best | | |
| | answers. | | |
| | 4. The activity will end when all the questions are answered. | | |
| C. Ungraded | The students will be asked to submit their preliminary activity output as | | |
| formative | their ungraded formative assessment. | | |
| assessment | | | |
| This would refer | | | |
| to ungraded | | | |
| activities that will | | | |
| assess students' | | | |



| demonstration of | |
|-----------------------|---|
| understanding | |
| and skills, using | |
| the resource | |
| material as a | |
| vehicle to build | |
| learning base. | |
| | |
| D. Closure and | Answer one of the questions in class: |
| synthesis | 1. Between science and society, which had more influence over the |
| These are | other? |
| activities that | 2. Will the further advancement of science and technology lead to |
| learners will do to | development or more inequalities? |
| reflect on what | 3. How did the Scientific Revolution change the way people think? |
| transpired in the | |
| whole teaching- | |
| learning episode. | |

| A. Work-along | The students will be asked to annotate the assigned reading material. |
|----------------------|---|
| activities | |
| This would refer to | |
| ungraded activities | |
| that will allow | |
| students to explore | |
| the resource | |
| material and | |
| further their ideas. | |
| | |

| A. Assessment | In this assessment, students will be tasked to prepare an argumentative |
|---------------------|---|
| task | oral presentation that would allow them to analyze the implications of |
| This refers to what | scientific revolution to the advancement of science and technology and |
| output or | critically reflect on the "superiority" of science from other bodies of |
| performance | knowledge and the advantages and disadvantages it has brought to our |
| students are | life. |



| expected to accomplish as evidence of demonstrating the learning outcomes. | |
|---|---|
| B. Instructions This refers to specific instructions in accomplishing the tasks and would be communicated to the students. | The presentation must provide answers to the following questions: Question #1 (Q1): What is the major implication of scientific revolution in the advancement of science and technology? Question #2 (Q2): Can scientific knowledge alone be sufficient in developing the Philippines? Question #3 (Q3): Did the application of scientific knowledge enhance the welfare of everybody? |
| | Students must follow the below format: The presentation must include an introductory statement, body paragraphs and a conclusion for each answer. You may refer to this document guide on how to create and organize your argumentative oral presentation: "Organizing Your Argument Presentation" Your last slide must include the "References" (use 7th ed. APA format) Record your presentation with a voice over. Duration of the recorded presentation must be limited to 7 minutes. You may submit your work using the following file formats (choose one): MS PowerPoint with embedded audio record URL link to a recorded Canva presentation MP4 file of your recorded presentation File name or video title must follow this format: <surname group="" members="" of="">_GED0104_<section1_fa1-sts).< li=""> </section1_fa1-sts).<></surname> |
| C. Reminders | This is an individual, paired, or group assessment (maximum of 3). Let the students submit this assessment in Canvas. Instruct your students that if they will work as a group, only one member will submit the file to avoid duplicate submissions. Tell your students to cite their sources, especially if the ideas are not their own. |



| | 4 Publish the | assessment early i | n Canvas | |
|---------------------------------------|---------------------------------------|---|---|--|
| | | assessment carry I | | |
| | | | | |
| | Note: | | | |
| | | C 1 1 1 1 1 | 1 (*1 * 4 | 1 |
| | The assigned deadli | U | 0 | |
| | September 2 (Thu | rsday - Saturday | , 11:59 PM). To b | e fair, if a |
| | particular member of | of the group did no | ot contribute to the | e conduct of the |
| | assessment, then yo | u have the right to | exclude them in | the submission. |
| | j. | 8 | | |
| | *You may set the de | adlina anytima ha | otwaan tha stinulat | ad datas |
| D. Rubric | Tou muy set the ue | aanne anynne de | iween me supulai | eu uures. |
| | · C 1· · · 1 | | | |
| This refers to the crite | | sessment task. | | · · · · · · · · · · · · · · · · · · · |
| | Excellent | Very Good | Good | Needs Improvement |
| | | | | |
| Argumentation | Main argument is | Argument is present | Argument is somewhat | |
| 10-9 - Excellent | stated clearly and developed with | but vague and only somewhat developed | present but vague and undeveloped in the | unclear or not present in the presentation. |
| 8-6 - Good | evidence over the | over the course of the | presentation. | in the presentation. |
| 5-3 - Fair | course of the | presentation. | 1 | Little to no details are |
| 2-1 - Needs Improvement | presentation. | r | Some details are | present and are |
| | | Details are relevant but | present, but most are | unconvincingly |
| | Details are relevant, | some are | | interpreted. |
| | original, and | unconvincingly | unconvincingly | |
| | convincingly | interpreted. | interpreted. | Offers simplistic |
| | interpreted. | Presentation contained | There were attempts to | reasoning. There is |
| | The presentation | some main points but | elucidate the main | poor development of ideas. Refutation is |
| | contained main points | lacks in detail and | | missing or vague. |
| | that are well | development. There | development. | inisoning of vagae. |
| | developed with | are some statements | Refutation statements | |
| | supporting details. | which refute and | are missing and/or | |
| | There are statements | acknowledge the | vague. | |
| | which refute and | opposing view but do not summarize | | |
| | acknowledge opposing views and | points. | | |
| | summarize their main | r · · · · | | |
| | points. | | | |
| Evidence | Source material is | Source material is | Some source material | Sources may be |
| | smoothly integrated in | | is used but integration | |
| 6 - Excellent | the presentation. | sufficient evidence | | lacking. There is |
| 5-4 - Good | There is compelling evidence which | which links to the | | overuse of quotations |
| 3-2 - Fair 1-0 - Needs Improvement | supports the thesis | thesis statement. Citation is in the | | and/or poor paraphrasing to |
| | statement and | desired format. | format or lack | substitute presenter's |
| | develops a cohesive | | credibility. | own ideas. |
| | analysis. | | | |
| | | | | |
| | Citation is accurate | | | |
| | and in the desired | | | |

format.



| Organization 4 - Excellent 3 - Very Good 2 - Good 1 - Needs Improvement | ideas with a clear structure that enhances the claim. Transitions are smooth and provide | present throughout the narrative and provide | Transitions are present | Transitions are not |
|---|--|--|-------------------------|---------------------|
| Total = 20 / 20 | | | | |

| Module 2 Title | Science, Technology, and Nation Building |
|---------------------------------|--|
| Modular Learning Outcomes | Discuss <i>current challenges</i> in society in relation to science and technology and possible critical innovations for National Industrialization. Propose solutions that will address identified challenges pertaining to science and technology in the Philippines. Draft an advocacy plan/project proposal that will support the <i>national development agenda</i> vis-à-vis the progress of science and technology and its impact to communities. |
| Resource materials | PILS: Critical Innovation for National Industrialization: Building Local Capacity for Local Development Part 1: https://youtu.be/oYzcdBPoJv8 Part 2: https://youtu.be/EKy5uvL3-HQ |
| Reminders | Ask the students to watch PILS and prepare a journal at home. Make sure to prepare a sample (template) advocacy plan/project proposal for the students to utilize. Decide if you would want this to be a paired work or a group activity. Prepare this in advance. Ensure that the students will write/include their complete names, section and dates on their paper/activity. You may ask them to take pictures of the activity. |



| Provide working time/time allotment for the activity. Ask the students if they need extension to accomplish the work. Make sure to facilitate learning by going around every groups/pair to check for learning and understanding or ask questions to ensure |
|--|
| participation and learning. |

| A. Preliminary | Round Table Discussion – Each group will discuss and answer the | | |
|---|---|--|--|
| Activities | following questions: | | |
| These are initial | Tonowing questions. | | |
| These are initial activities that learners will do to exhaust the content of the resource material. | How did Dr. Tapang describe the state of Science and Technology in the country? Why did he use such descriptions? According to the resource material, what is the industry that keeps the Philippines economy alive despite low productivity in Science and Technology? What is the percentage rate of Filipinos who work abroad? What does it imply? What does Albert Einstein mean when he stated, "Man can find meaning in life, short, and perilous as it is, only through devoting himself to society."? According to the video material, the weak manufacturing industry in the country results in a whole lot of outcomes. Discuss one of these outcomes. Which of Dr. Tapang's proposed solution to Philippines' state of Science and Technology shortcomings do you think is the most feasible? Why? Why did Dr. Giovanni Tapang mention that our economy is "not yet dead" despite low efficiency in economic-related S&T in the country? | | |
| B. Deepening of | <i>The Round Table</i> – Presentation: | | |
| understanding | | | |
| These are | • Each group will present 1/7 questions discussed. | | |
| activities that | Ask the other groups to prepare questions and insights for the | | |
| learners will do | presenters. | | |
| to analyze, | Critiquing | | |
| evaluate, and/or | | | |
| synthesize the content of the | Instruct students to prepare for a class sharing by presenting a two slide PowerPoint. (30 minutes) | | |



| resource material. | <i>Important Note:</i> Please make use of the concepts presented in the document titled 'Salient Points with Reflective Questions - Module 2 (Critical Innovation for National Industrialization)' to enhance and deepen the discussion. |
|---|--|
| C. Ungraded formative assessment This would refer to ungraded activities that will assess students' demonstration of understanding and skills, using the resource material as a vehicle to build learning base. | As a class, complete the Problem Tree - Template A provided below. Per group - propose how each of you can contribute and/or participate to the proposed solutions that will address identified challenges pertaining to science and technology in the Philippines. |
| D. Closure and synthesis These are activities that learners will do to reflect on what transpired in the whole teaching- learning episode. | Ask the following questions: 1. What are the <i>current challenges</i> in society in relation to science and technology and possible critical innovations for National Industrialization? 2. How can the <i>proposed solutions</i> address the identified challenges pertaining to science and technology in the Philippines? 3. What are the <i>specific actions</i> to be taken to ensure implementation of the proposed solutions? |

| A. Work-along activities | While watching the PILS create a <i>Jump Start Journal</i> – Ask students to collect and organize their thoughts about the PILS. They may use these |
|---|--|
| This would refer to ungraded activities that will allow students to explore the resource material | guide questions: What did it mean when Dr. Tapang said that the state of science and technology in the Philippines is bansot (<i>stunted</i>) and atrasado (<i>underdeveloped</i>)? How is it apparent in the current situation of the Philippine society? |



| ideas. • What are the current critical innovations for national industrialization? | and further their ideas. | • What are the current critical innovations for national industrialization? | |
|--|--------------------------|---|--|
|--|--------------------------|---|--|

| A. Assessment task This refers to what output or performance students are expected to accomplish as evidence of demonstrating | Draft an advocacy plan/project proposal that will concretize the proposed solutions by Dr. Tapang in addressing <i>national development agenda</i> vis-à- vis the progress of science and technology and its impact on communities. See sample template B for Advocacy/Project Proposal. |
|---|--|
| the learning outcomes. | |
| B. Instructions This refers to specific instructions in accomplishing the tasks and would be communicated to the students. | Students will develop an advocacy that forms the foundation of their project proposal, encompassing the concepts discussed in Module 2. Students should integrate their learnings in addressing national development agenda vis-à-vis the progress of science and technology and its impact on communities. The proposal should impact our local community and that will eventually lead to a change in relation to the current issues you want to address. Students must follow the format below: Present your ideas using <i>Science and Technology in the Philippines</i> as the main concept. Advocacy/Project Proposal must be SMART. File name must follow this format: <surname group="" members="" of="">_GED0104_<section#>_FA2-STS (e.g., CRUZ-DELACRUZ-SANTOS_GED0104_Section1_FA2-STS).</section#></surname> |
| C. Reminders | This is an individual, paired, or group assessment (maximum of 3). Let the students submit this assessment in Canvas. Instruct your students that if they will work as a group, only one member will submit the file to avoid duplicate submissions. Tell your students to cite their sources, especially if the ideas are not their own. Publish the assessment early in Canvas. |



The assigned deadline of submitting the file is on **September 14 – 20** (**Thursday - Wednesday, 11:59 PM**). To be fair, if a particular member of the group did not contribute to the conduct of the assessment, then you have the right to exclude them in the submission.

*You may set the deadline anytime between the stipulated dates.

D. Rubric

This refers to the criteria for grading the assessment task.

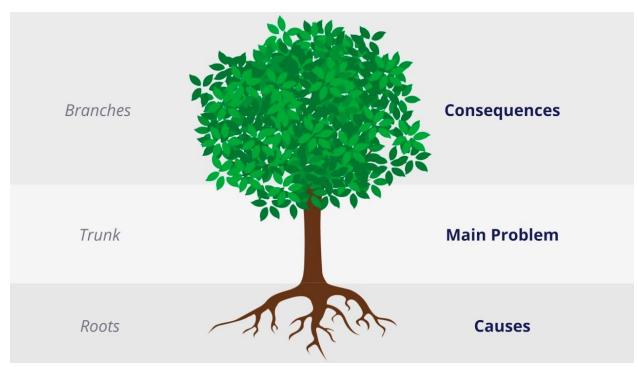
Advocacy/Project Proposal Rubric

| Criterion\Level | Reflective practitioner 8 – 10 | Aware practitioner 5 – 7 | Reflective novice 2 – 4 | Unacceptable 0 – 1 |
|-------------------------|---|--|--|--|
| Content | Shows a deep understanding of the subject matter and its greater implications. Proposal or plan shows integration of some advanced or researched concepts. | Shows an understanding of the subject matter and it is evident in the execution of the proposal or plan. | Shows some understanding of the subject matter but confusion is evident in some aspects of the proposal or plan. | Shows very little understanding of the subject matter and thoroughly misinterprets the requirements for the class. |
| Creativity/ Ambition | The project proposed is very original, creative and ambitious. The student is highly motivated, and the project has a good potential for success. | The project proposed is original, creative and somewhat ambitious. The student is motivated about the project, and the project has a good potential for success. | The project proposed is somewhat creative, original or ambitious the student is not very excited but not bored, project has some potential for success. | The project proposed is not creative, original or ambitious, the student is uninspired, project has a low potential for success. |
| Structure and Flow | Proposal or plan is clear, concise, and has a logical structure and flow. Work is SMART. | Proposal or plan is well organized and has a sensible flow and structure. Minor elements may need clarification in relation being | Proposal or plan makes general sense but requires some work to organize and structure in a logical and sensible manner. | Proposal or plan is vague, disjointed, and shows no sense, structure, or flow. The work needs to be SMART. |



| | | Specific, | Most elements may | |
|--------------|----------------|------------------|---------------------|-----------------------|
| | | Measurable, | need clarification | |
| | | Attainable, | in relation being | |
| | | Realistic and | Specific, | |
| | | Time-bound. | Measurable, | |
| | | | Attainable, | |
| | | | Realistic and Time- | |
| | | | bound. | |
| Following of | Followed all | Missed to follow | Missed to follow 2 | Missed to follow 3 or |
| Instructions | instructions | 1 out of all the | out of all the | more instructions. |
| | completely and | instructions. | instructions. | |
| | correctly. | | | |

Template A - Problem Tree



*Source: Step 1: Identifying the focal issue with 'Problem Tree Analysis' technique



Template B – Advocacy/Project Proposal

Use this template to prepare a project proposal that is Specific, Measurable, Attainable, Realistic and Time-bound (SMART):

| Project Name | |
|---------------------|--|
| Partner Government | |
| Agency/NGO | |
| Start Date | |
| Target Completion | |
| Date | |
| Advocacy | |
| Project Description | |
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| Project Objectives | |
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| Project Costs | |
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| | |
| Project Benefits | |
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| Module 3 Title | Our Cyber Selves |
|--|---|
| Modular Learning Outcomes 1 to 3 expected learning outcomes form the student. | Analyze the pros and cons of how information is presented, digested, and spread in a cyber environment. Explain the different promises of connectivity and its implications to our health and society. Create a visualization of disinformation about a social issue that has disinformation and an ad that will counter or bust it in order to avoid fake news in social and academic settings. |
| Resource materials | PILS: Our Cyber Selves by Dr. Diosa Labiste Part 1: <u>https://youtu.be/wSGf76EQm7g</u> Part 2: <u>https://youtu.be/v6ZAFh4dtUA</u> |
| Reminders | Ask the students to watch the PILS at home. Make sure to prepare a sample graphic organizer for the students to utilize. Decide if you would want this to be a paired work or a group activity. Prepare this in advance. Ensure that the students will write/include their complete names, section and dates on their paper/activity. You may ask them to take pictures of the activity. Provide working time/time allotment for the activity. Ask the students if they need extension to accomplish the work. Make sure to facilitate learning by going around every groups/pair to check for learning and understanding or ask questions to ensure participation and learning. Counter check if the chosen topic/post contains disinformation and not just misinformation. |

| A. Preliminary | Present a picture that will encourage the discussion of the question: Why |
|---------------------|---|
| Activities | do people go online? |
| These are initial | |
| activities that | To help students understand the content of the PILS, they will be tasked |
| learners will do to | to create a table of WSNW to organize the concepts and ideas presented |
| exhaust the | in the video. |
| | |



| content of the | What? So what? Now What? - See Template A and B below. |
|------------------------|--|
| resource material. | 10-15 mins |
| | |
| B. Deepening of | Let the students highlight/take note of the parts of their WSNW that are |
| understanding | similar with the groups currently presenting. |
| These are | |
| activities that | Let the students pose questions and or agreement/disagreement in the |
| learners will do to | presentations. |
| analyze, evaluate, | |
| and/or synthesize | Ensure that the class will be able to differentiate misinformation from |
| the content of the | disinformation. |
| resource material. | |
| | TAs are also expected to probe questions during the presentation. See |
| | list of prompt questions. |
| C. Ungraded | Presentation of WSNW per group. |
| formative | (What? So What? Now What?) |
| assessment | |
| This would refer to | Each group may present at least 3 to maximum of 5 contents in their |
| ungraded activities | WSNW. |
| that will assess | |
| students' | |
| demonstration of | |
| understanding and | |
| skills, using the | |
| resource material | |
| as a vehicle to | |
| build learning | |
| base. | |
| | |
| D. Closure and | Ask the following questions: |
| synthesis | *Note: You can also utilize the deepening questions included in the PPT. |
| These are | |
| activities that | 1. What is the difference between misinformation from disinformation? |
| learners will do to | |
| reflect on what | 2. What are the pros and cons of how information is presented, digested |
| transpired in the | and spread in a cyber environment? |
| whole teaching- | |
| learning episode. | 3. What are the different promises of connectivity and its implications to |
| 8 - F-30 400 | our health and society? |
| | 4. How can we discredit disinformation in a cyber environment? |
| | T. How can we discredit disinformation in a cyber chynolinellt: |



| 5. How can we ensure a healthy status of our cyber selves? |
|--|
| 6. How can we detect and correct disinformation in the cyber environment in an academic way? |

| A. Work-along | While watching the PILS fill out the first column (What) of the WSNW |
|----------------------|--|
| activities | table- Ask students to collect and organize their thoughts about the |
| This would refer to | PILS. They may use these guide questions: |
| ungraded activities | • What are the promises of connectivity? |
| that will allow | • How is technology being used in relation to self-discovery and or |
| students to explore | expression? |
| the resource | • How much time does Filipinos spend online? What is the |
| material and | implication of this amount of time spent on social media? |
| further their ideas. | • What is empowerment of the self? |
| | • How do we deal with problematic and disempowering content? |
| | What does it do to an individual in a cyber environment? |
| | • What is the difference between misinformation and |
| | disinformation? |
| | • What are the seven types of misinformation and disinformation? |
| | What does it do? |
| | • How do we evaluate information online? |
| | • How will you define a responsible cyber citizen? |

| A. Assessment | FA3 – Triple C: Scientific Diagram of Disinformation |
|--|---|
| task This refers to what output or performance | Create a disinformation counter/buster ad that will correct/fact check a latest socio-political topic/post/content (poverty, education, drug use, vice, crime, unemployment, etc.) See template C below. |
| students are expected to accomplish as evidence of demonstrating the learning outcomes. | Instructions: Choose a local socio-political issue that has disinformation that you would like to counter/bust. Complete the Scientific Diagram of Disinformation (See Template C) with your group. Be able to present your arguments justifying the reason why the chosen topic is spreading disinformation. |



| | 3. Create a counter Ad that will bust the disinformation in the local socio-political issue you've chosen. | | | | | | |
|--------------------|--|--|--|--|--|--|--|
| B. Instructions | Students must follow this format: | | | | | | |
| This refers to | Submit the Scientific Diagram and the Disinformation | | | | | | |
| | Counter/Buster Ad using the following file name format: | | | | | | |
| specific | 0 0 | | | | | | |
| instructions in | <pre><surname group="" members="" of="">_GED0104_<section#>_FA3-STS</section#></surname></pre> | | | | | | |
| accomplishing the | (e.g., CRUZ-DELACRUZ-SANTOS_GED0104_Section1_FA3- | | | | | | |
| tasks and would be | STS). | | | | | | |
| communicated to | • Specify the source (channel/social media page) of the chosen | | | | | | |
| the students. | disinformation. Include the link in the submission, date posted, | | | | | | |
| | number of views and the specific category. | | | | | | |
| | • The disinformation counter Ad or buster must be appropriate to | | | | | | |
| | the channel or source of disinformation. | | | | | | |
| | Example: If the source is from Tiktok, the Counter Disinformation | | | | | | |
| | Ad/Buster should be Tiktok ready/appropriate. | | | | | | |
| | • The disinformation counter Ad or buster must be appropriate to | | | | | | |
| | the target audience as well. | | | | | | |
| C. Reminders | 1. This is an individual, paired, or group assessment (maximum of | | | | | | |
| | 3). | | | | | | |
| | 2. Let the students submit this assessment in Canvas. Instruct your | | | | | | |
| | students that if they will work as a group, only one member will | | | | | | |
| | submit the file to avoid duplicate submissions. | | | | | | |
| | 3. Tell your students to cite their sources, especially if the ideas are | | | | | | |
| | not their own. | | | | | | |
| | 4. Publish the assessment early in Canvas. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | Note: | | | | | | |
| | The assigned deadline of submitting the file is on September 28 – | | | | | | |
| | October 4 (Thursday – Wednesday, 11:59 PM). To be fair, if a | | | | | | |
| | particular member of the group did not contribute to the conduct of the | | | | | | |
| | assessment, then you have the right to exclude them in the submission. | | | | | | |
| | | | | | | | |
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| | | | | | | | |
| | Suggested Timeline for Module 3: | | | | | | |
| | *September 18 – September 23 (Preliminary Activity and Discussion, | | | | | | |
| | Presentation of WSNW Table per Group, Synthesis) | | | | | | |
| | * <i>September</i> 25 – 27 (Giving of FA3 Instructions, Brainstorming for | | | | | | |
| | FA3) | | | | | | |
| | *September 28 – October 4 (Submission and Presentation of FA3 per | | | | | | |
| | Group, Synthesis and Closure) | | | | | | |
| | | | | | | | |



*You may set the deadline anytime between the stipulated dates.

D. Rubric

This refers to the criteria for grading the assessment task.

| Criteria | Excellent | Good | Fair | Poor |
|----------------|----------------------|------------------|----------------------|--------------------------|
| | 10 - 8 | 7 – 5 | 4 – 2 | 1-0 |
| Scientific | Completely and | Stated the 4/5 | Stated the 3/5 | Stated the 1-2 parts of |
| Diagram of | correctly stated all | parts of the | parts of the | the diagram correctly. |
| Disinformation | the 5 parts of the | diagram | diagram correctly. | |
| 2.5monnation | diagram. | correctly. | | |
| Counter Ad/ | The purpose of the | The purpose of | The purpose of the | The purpose of the |
| Disinformation | Counter Ad/Buster | the Counter | Counter Ad/Buster | Counter Ad/Buster was |
| Buster | is very clear. | Ad/Buster is | is vague. | not stated/presented. |
| | | somewhat clear. | | |
| Purpose | | | | |
| | The ad is | Ad is somewhat | Ad is somewhat | Ad is totally focused on |
| | completely focused | focused on | focused on the | the person or |
| Counter Ad/ | on debunking the | debunking the | person or | organization who |
| Disinformation | disinformation and | disinformation | organization who | posted/created it, |
| Buster | not on the person | and not on the | posted/created it, | rather than debunking |
| | or organization | person or | rather than | the disinformation. |
| Content | who | organization who | debunking the | |
| | posted/created it. | posted/created | disinformation. | |
| | | it. | | |
| | The disinformation | The | The disinformation | The disinformation |
| | buster/Ad is very | disinformation | buster/Ad is | buster/Ad is |
| | appropriate for the | buster/Ad is | appropriate for the | inappropriate for the |
| | target audience | somewhat | target audience but | target audience and |
| | and channel. | appropriate for | not for the channel. | channel. |
| | | the target | | |
| Effectivity | | audience and | | |
| Enectivity | | channel. | | |
| | Addressed all | Addressed some | Addressed few | Disinformation was not |
| | disinformation. | disinformation. | disinformation | addressed. |
| | Countered the | Somewhat | | |
| | result of the | countered the | | |
| | disinformation. | result of the | | |
| | | disinformation. | | |
| | Highly creative | Creative | Somewhat creative | The disinformation |
| | disinformation | disinformation | disinformation | buster/ad is not |
| | buster/ad. The | buster/ad. The | buster/ad. The | creative. The |
| Creativity | ideas/materials/me | ideas/materials/ | ideas/materials/me | ideas/materials/metho |
| | thods used are very | methods used | thods used are | ds used are flat and |
| | novel and effective. | are novel and | somewhat familiar. | predictable. |
| | | effective. | | |



| | Followed all 4 | Followed 3/4 | Followed 2/4 | Followed 1/4 |
|----------------|-------------------|--------------|--------------|-------------------------|
| Following | of instructions | instructions | instructions | instructions correctly. |
| Instructio | ns completely and | correctly. | correctly. | |
| | correctly. | | | |
| Total: 30 poin | S | | | |

Template A

What, So What, Now What (WSNW)

| What | So, What | Now What |
|------|----------|----------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Note: the group/pair may add more rows to this.

Template B

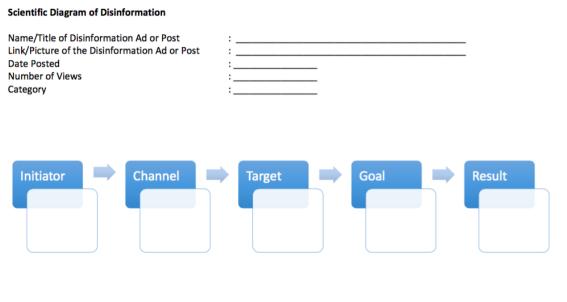
Examples of What? So What? Now What? Questions

| WHAT | SO WHAT | NOW WHAT | | |
|------------------------------------|--|---|--|--|
| What is the problem we are facing? | What did this experience make you feel? | What would you like to learn from this experience? | | |
| What did you notice? | What conclusions can be made from this experience? | What do you need to do to address challenges from this? | | |
| What did you learn? | What did you learn about yourself? | What would you like to learn about this experience? | | |
| What did you find surprising? | What emotions did this evoke? | How will you apply what you learned from this? | | |

PM-TRAINING



Template C



Initiator – who started or where did the information started? Channel – where did they posted the information? Target – who are the targeted individuals? Goal – what are the goals of the initiator/disinformation? Result – outcome of disinformation.

Source: Diagram is adapted from Research Gate - Brexit: visualization of the disinformation campaign.



| Module 4 Title | Confronting Uncertainty: Climate Change, Agency, Citizenship |
|-----------------------|---|
| Modular Learning | Discuss the relevance of climate change to political economy and decisions. Explain how we can contribute to the solution needed in the country in relation to climate change. Create a one-minute campaign that will educate people on how to work against climate change and heal the earth. |
| Resource materials | PILS: Confronting Uncertainty: Climate Change, Agency, Citizenship by Renato Redentor Constantino Part 1: https://youtu.be/mhfE6WkVca8 Part 2: https://youtu.be/peiiMOqEZcA Additional materials: https://www.decadeonrestoration.org/follow-generationrestoration #GenerationRestoration #GenerationRestoration Https://youtu.be/GPTG0pwsbMQ |
| Reminders | Ask the students to watch the PILS at home. Decide if you would want this to be a paired work or a group activity. Ensure that the students include the names of their partner/group members in the comment section of Canvas. Provide working time/time allotment for the activities. Make sure to facilitate learning by going around every groups/pair to check for learning and understanding or ask questions to ensure participation and learning. Ensure that students will upload their video link in Canvas for FA#5. Discuss the rubric on how each group and/or individual will be marked for the FA4 and FA5. |

| A. Preliminary | Divide the class into four (4) groups. Each group will pick one from the |
|-------------------|--|
| Activities | following categories: |
| These are initial | |
| activities that | a. food we consume |
| learners will do | b. cellphone applications |



| to anh anat the | a alathas wa wasa | | | |
|------------------------|--|--|--|--|
| to exhaust the | c. clothes we wear | | | |
| content of the | d. appliances at home | | | |
| resource | The students will be called to discuss within the group if their shapen tonic | | | |
| material. | The students will be asked to discuss within the group if their chosen topic | | | |
| | contributes to climate change and how. Let the students put in their | | | |
| | answers in an online document (Canva, PPT or Mentimeter) | | | |
| | | | | |
| | They will present their discussion in class. | | | |
| | 5 10 minutes | | | |
| | 5 – 10 minutes | | | |
| B. Deepening of | Let the students answer the following questions in each group: | | | |
| understanding | | | | |
| These are | a. What is climate change? | | | |
| activities that | b. Why is climate change dangerous? | | | |
| learners will do | c. What are the reversible and irreversible impacts of climate change? | | | |
| to analyze, | d. What government policies should be implemented to lessen the impact | | | |
| evaluate, and/or | of climate change? | | | |
| synthesize the | | | | |
| content of the | 3 - 5 minutes group discussion | | | |
| resource | 5-10 minutes presentation | | | |
| material. | | | | |
| | | | | |
| C. Graded | FA4 | | | |
| formative | Problem, Effect, Cause and Solution (PECS) | | | |
| assessment | | | | |
| This would refer | Each group will contribute to the completion of the table based on the | | | |
| to | PILS. See Template A. | | | |
| ungraded/graded | | | | |
| activities that | Instructions: | | | |
| will assess | 1. List 4 problems brought by climate change. | | | |
| students' | 2. Explain its cause/s and effect/s. | | | |
| demonstration of | 3. Provide a solution to every problem that will involve different agencies | | | |
| understanding | and citizens of our country. | | | |
| and skills, using | | | | |
| the resource | Note: | | | |
| material as a | 1. All groups will be required to present their PECS output in class. | | | |
| vehicle to build | 2. Before the presentation, ask the students to submit their completed | | | |
| learning base. | table in Canvas using the following format: | | | |
| | <pre><surname group="" members="" of="">_GED0104_<section#>_FA4-STS</section#></surname></pre> | | | |
| | (e.g., CRUZ-DELACRUZ-SANTOS_GED0104_Section1_FA4-STS). | | | |



| | 3. Only one member will submit the output in Canvas since this is a group assessment. |
|--|--|
| D. Closure and synthesis These are activities that learners will do to reflect on what transpired in the whole teaching- learning episode. | What government policies should be implemented to ensure that our country will contribute to the protection and revival of our local ecosystem? What political and economic decisions should be made towards restoring a healthy ecosystem and planet? As citizens, how can we contribute to the solution needed in the country in relation to climate change? |

| A. Work-along | While watching the PILS create a Jump Start Journal – Ask students to |
|--|---|
| activities | collect and organize their thoughts about the PILS. They may use these |
| This would refer | guide questions: |
| to ungraded activities that will allow students to explore the resource material and further their ideas. | What is anthropogenic influence? Can we still remake the societies that we are in? How crucial is time concerning the remaking of the societies that we are in? Who will experience the impacts of activities and/or solutions done before and are being done presently? What can you infer from Michael Mann's 1998 Hockey stick graph? How do we bring back the carbon dioxide emission to a safe level and/or control its rise? What does "water wars" mean? What are the effects of Antarctic Ice Shelves melting from below? What are the reversible and irreversible impacts of climate change? What are stranded assets? Why is there a need to stop approving coal plants? How do bad economic decisions affect climate change? How can we have a good climate policy? Do you agree that empowering women will help in managing climate change? Why? |



| A. Assessment | FA5 |
|-----------------------------------|---|
| task | Speak Up! #GenerationRestoration |
| This refers to | Create a one-minute infomercial, a campaign against climate change that |
| what output or | would create noise and impact in restoring and healing earth. |
| performance students are | |
| expected to | |
| accomplish as | |
| evidence of | |
| demonstrating the | |
| learning outcomes. | |
| outcomes. | |
| B. Instructions | 1. Students must follow this format: |
| This refers to specific | • One-minute video must be uploaded on YouTube. Upload the video link in Canvas for submission. |
| instructions in accomplishing the | • Place all the names of the group members in the comment section of Canvas. No need to put it in the video. |
| tasks and would | • Students are highly encouraged to share their videos on social |
| be communicated | media pages. |
| to the students. | • Create a title for the Infomercial. |
| | • Use the hashtag #GenerationRestoration |
| | Reminder to TAs: |
| | 1. This is a group assessment (maximum of 5). |
| | 2. Let the students submit this assessment in Canvas. Only one |
| | member will submit the file to avoid duplicate submissions. |
| | 3. Tell your students to cite their sources, especially if the ideas are not their own. Include this in the last part of the video. |
| | 4. Publish the assessment early in Canvas. |
| | |
| | Suggested Timeline for Module 4: |
| | *October 23 – October 28 (Preliminary Activity/Discussion and Group |
| | Presentations, Deepening of Understanding – Group Presentations and |
| | Q&A Portion) *October 30 November 4 (Asynchronous Giving of EA4 Instructions |
| | * <i>October 30 – November 4</i> (Asynchronous - Giving of FA4 Instructions, Brainstorming for FA4) |
| | *November 6 – November 11 (Submission and Presentation of FA4 per |
| | Group, Synthesis and Closure) |



**November 13 – November 15* (Submission and In-Class Watching of FA5 – Informercial, and Critiquing of Output.

*You may set the deadline anytime between the stipulated dates.

C. Rubric

This refers to the criteria for grading the assessment task.

FA4 PECS Rubric

| Criteria | Proficient 10 – 8 | High Intermediate 7 – 5 | | Low Intermediate 4 – 2 | | Beginning 1 – 0 | |
|---------------------------|--|---|---------------|--|------------------|--|--|
| Problem | Students accurately define problems | Students define problems | | 0 / | | dents fail to a problem | |
| Cause and Effects | Cause and effect are clearly stated and written with support from the PILS or other reliable resources. | Cause and effect are stated and written with support from the PILS or other reliable resources. | | Some evidence of cause and effect is stated. | | use and ect were not en. | |
| Solution FA5 Informerc | Students accurately provide solutions with support from PILS. ial Rubric | Students provide solutions. | va so | udents guely provic lutions to th oblem. | de pro ne sol | dents fail to ovide a ution to the oblem. | |
| | | Good 8 – 6 | Fair 5 – 3 | Po 2 - | | Missing 0 | |



| Organization | Excellently presents information in logical, interesting sequence which the audience can follow. | Presents information in logical sequence which the audience can follow. | Presents information but the sequence is not logical, making it hard for the audience to understand. | Audience has difficulty following presentation | The audience cannot understand the presentation because there is no sequence of information. |
|----------------------------------|--|--|---|---|--|
| Creativity and Originality | The infomercial demonstrates original personal expression and outstanding problem- solving skills that will capture audience attention. | The infomercial demonstrates some personal expression and outstanding problem- solving skills that will capture audience attention. | The infomercial demonstrates average personal expression and outstanding problem- solving skills that will capture audience attention. | The infomercial demonstrates minimal personal expression and outstanding problem- solving skills that will capture audience attention. | The infomercial lacks personal expression and outstanding problem- solving skills that will capture audience attention. |
| Content | Demonstrates full knowledge on how to campaign against climate change. Video includes realistic ideas that will create an | Demonstrates some knowledge on how to campaign against climate change. Video includes some ideas that will create an | Demonstrates average knowledge on how to campaign against climate change. Video includes few ideas that will create an impact in | Demonstrates minimal knowledge on how to campaign against climate change. Video includes very minimal ideas that will create an | Lacks ideas on how to campaign against climate change. Video lack ideas that will create an impact in restoring and healing the earth. |



| | impact in restoring and healing the earth. | impact in restoring and healing the earth. | restoring and healing earth. | impact in restoring and healing the earth. | |
|--------------------------|---|--|---|--|--|
| Volume and Clar | ity Uses very clear audio and correct, precise pronunciation of terms. | The audio is somewhat clear. Pronounces most words correctly. | The audio is low. Student incorrectly pronounces terms. | Audio is extremely poor. Students incorrectly pronounce terms. | Unable to hear the audio which leads to missing or incomplete information. |
| Following Instruction | | Failed to follow one of the instructions correctly. | Failed to follow two of the instructions correctly. | Failed to follow three of the instructions correctly. | Failed to follow a lot of instructions correctly. |

Template A

Problem, Effect, Cause and Solution (PECS)

| Problems | Effects | Cause | Solution |
|----------|---------|-------|----------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |



| Module 5 Title | Philippine Hazards and the Use of Science and Technology | | |
|---------------------------------|--|--|--|
| Modular Learning Outcomes | g scientific research and technological advancement through a Big Question | | |
| Resource | PILS: Philippine Hazards: Use of Science and Technology for CCA – | | |
| materials | DRR by Dr. Alfredo Mahar Lagmay. | | |
| | Part 1: https://youtu.be/5xOyZX3Z_xI | | |
| | Part 2: https://youtu.be/H5D590aAMKU | | |
| Reminders | Ask the students to watch the PILS at home. Provide working time/time allotment for the activity. Ask the students if they need an extension to accomplish the work. Make sure to facilitate learning by going around every group/pair to check for learning and understanding or ask questions to ensure participation and learning. Discuss how the students will be graded using the rubric for the Infographic. | | |

| A. Preliminary | Complete the Big Question Map (see Template A) to note key points <i>from</i> |
|------------------------|---|
| Activities | the video. Answer in bullet form. |
| These are initial | |
| activities that | |
| learners will do | |
| to exhaust the | |
| content of the | |
| resource | |
| material. | |
| | |
| B. Deepening of | Discuss and probe the groups' answers in the Big Question Map. |
| understanding | |
| These are | |
| activities that | |



| learners will do | |
|-------------------|---|
| to analyze, | |
| evaluate, and/or | |
| synthesize the | |
| content of the | |
| resource | |
| material. | |
| C. Ungraded | Presentation of the Big Question Map. |
| formative | |
| assessment | Each group will present their answers on the big Question Map. |
| This would refer | |
| to ungraded | Assign two questions to each group for discussion. |
| activities that | |
| will assess | Let them compare and probe their answers right after every question. |
| students' | |
| demonstration of | |
| understanding | |
| and skills, using | |
| the resource | |
| material as a | |
| vehicle to build | |
| learning base. | |
| | |
| D. Closure and | 1. What are the current challenges in Philippine disaster risk reduction |
| synthesis | and climate change adaptation? |
| These are | 2. How can we contribute to addressing current challenges in society using |
| activities that | science and technology? |
| learners will do | 3. What information could be useful in addressing current challenges and |
| to reflect on | advancements in Philippine climate change adaptation and disaster risk reduction? |
| what transpired | |
| in the whole | |
| teaching- | |
| learning episode. | |

| A. Work-along While watching the PILS create a <i>Jump Start Journal</i> – Ask stude | |
|--|---|
| activities | collect and organize their thoughts about the PILS. Be sure to answer |
| This would refer | these guide questions: |
| to ungraded | |
| activities that | a. What |



| will allow students to explore the resource material and further their ideas. | What are the current challenges in Philippine disaster risk reduction and climate change adaptation? What research and advancements are being done to address these challenges using science and technology? b. When When did these advancements begin? Where Where are the areas exposed to disaster risk located? Where are the scientific data and hazard maps available? d. Who Who are responsible for these hazardous phenomena? Who must increase capacity on awareness, engagement, and preparation? e. Why Why (or why not) is science and technology relevant for society's social and environmental awareness? f. How As students and young citizens, how can you use science and technology to respond to these challenges? How can these research and advancements in science and technology be further brought to Philippine communities, especially the indigenous and indigent? |
|--|---|

| A. Assessment | FA6 |
|----------------|---|
| task | Infographic |
| This refers to | |
| what output or | 1. Read and reflect on your answers in the Big Question Map. |
| performance | |
| students are | 2. Utilize your answers to create an infographic on the research and |
| expected to | advancements being done using science and technology to |
| accomplish as | address current challenges in Philippine climate change adaptation |
| evidence of | and disaster risk reduction and (CCA-DRR). |
| demonstrating | 3. Keep in mind your target audience: Who are exposed to disaster |
| the learning | risk? To whom should scientific data and innovations be |
| outcomes. | available? Who must increase capacity on awareness, engagement, |
| | and preparation? How about the indigenous and indigent? Use |
| | language that may be understood by your target audience. |
| | |



| | 4. Aside from those presented in the PILS, research on Philippine CCA-DRR tools, apps, gadgets, programs, research currently utilized with science and technology . |
|---|--|
| | 5. Be guided by the following guide questions in creating your infographic: a. What is this advancement all about? b. When did it begin? c. Where can it be utilized? d. Who can benefit from it? e. Why is it relevant to the society? f. As a student and young citizen, how can you use this to address current challenges? How can this advancement be further brought to Philippine communities, especially the indigenous and indigent? |
| B. Instructions This refers to specific instructions in accomplishing the tasks and would be communicated to the students. | Students must follow this format: Create your infographic following this format: 8.5" x 11", portrait. Ensure that font, color, graphics, and effects aid the overall presentation and not distract the communication of information. Save your infographic as PNG, JPG or PDF, with filename: GED0104-STS_FA6_Surnames (e.g., GED0104-STS_FA6_Cruz-Santos-Valdez) Place all the names of the group members (minimum of 3, maximum of 5) in the comment section of Canvas. No need to put it in the infographic. Ensure proper citation/reference. |
| | Reminder to TAs: 5. This is a group assessment (maximum of 5). 6. Let the students submit this assessment in Canvas. Only one member will submit the file to avoid duplicate submissions. 7. Tell your students to cite their sources, especially if the ideas are not their own. 8. Publish the assessment early in Canvas. Suggested Timeline for Module 5: *November 11 – November 15 (Provide the PILS to students) *November 16 – November 22 (Preliminary Activity/Discussion and Group Presentations, Deepening of Understanding – Group Presentations and Q&A Portion, Giving of FA6 instructions) |



**November 23 – November 25* (Submission and Presentation of FA6 per Group, Synthesis and Closure)

*You may set the deadline anytime between the stipulated dates.

C. Rubric

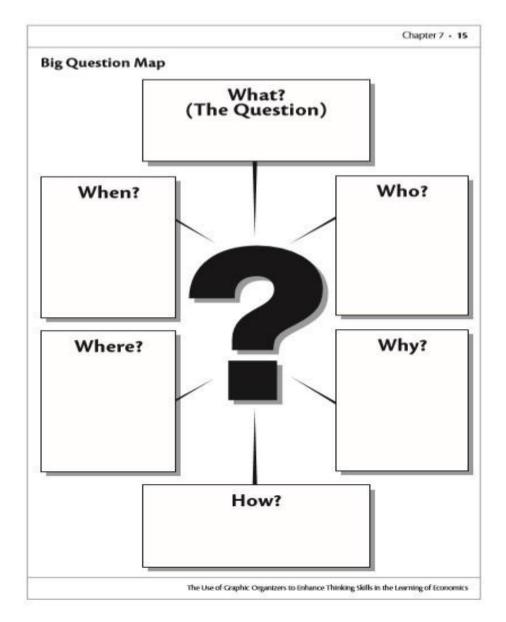
This refers to the criteria for grading the assessment task.

| Criteria | Full Marks | Good | Fair | Needs Improvement |
|--|---|---|--|---|
| | 10 - 8 | 7 – 5 | 4 – 2 | 1 – 0 |
| Clarity of Topic and Main Ideas | Topic and main ideas of infographic are clear, easily understood, and are excellently written. | The topic and main ideas are moderately clear and are somehow easily understood. | The topic is given but main ideas are not that clear or is incomplete. | Topic and/or main ideas are unclear or incomplete. |
| Research- based Knowledge | Details (including labels) support the main idea without distracting with clutter. Content is well researched and supported with proper evidence. | Detail is added to support each main idea with minimal clutter. Content is researched but lacks proper or has incomplete evidence. | More detail is needed for understanding. Some are distracting. Content attempts to be grounded on research and evidence. | Very little detail is provided for the main ideas and understanding is limited. Content needs to be grounded in research and evidence. |
| Relevance of Graphics to Information | All graphics represent information appropriately. | Most graphics represent information appropriately, but some are not related. | Graphics attempt to relate to the topic but are not sufficient to represent information. | Graphics relate to the topic but do not represent information appropriately. |
| Overall Layout | Color, shape, size, and arrangement of graphics contribute meaning to the overall message. Layout is neat, clear, and visually appealing. | Color, shape, size, and arrangement are eye catching and contribute some meaning. Design/layout is attractive and a bit neat. | Color, shape, size, and arrangement are present but do not add to the information. Design/layout is acceptably attractive but a bit distracting. | Color, shape, size, and arrangement are distracting or misleading. Design/layout is distracting, inadequately attractive, or ineffectively designed. |



| Following of Instructions | Followed all discussed and written instructions. | Missed following one out of all the discussed and written instructions. | Missed following two out of all the discussed and written instructions. | Missed to follow three or more instructions discussed and written. |
|------------------------------|---|---|---|--|
| | | | | |

Template A





| Module 6 Title | Exploring the Societal Impact of Artificial Intelligence | | | | |
|---------------------------------|--|--|--|--|--|
| Modular Learning Outcomes | Demonstrate a comprehensive understanding of artificial intelligence, including its definitions and the impact on education, current available careers, and future jobs. Develop the ability to critically assess AI applications, considering ethical implications and making informed decisions regarding AI use. Analyze and reflect on the societal impact of AI, its role in creating and perpetuating biases, and the importance of reflective thinking/metacognition in education and work. | | | | |
| Resource materials | PILS: The Rise of AI – Implications to Current Available Courses and Future Jobs by Ms. Chesa Caparas. Links: <u>https://www.youtube.com/watch?v=MPj3yUwdVyE</u> (Part 1 – 32 mins and 20 secs) <u>https://www.youtube.com/watch?v=bIrFdSm4D3s</u> (Part 2 – 10 mins and 42 secs) Supplementary Material: Tai, MT. (2020). The impact of artificial intelligence on human society and bioethics. <i>Tzu Chi Medical Journal</i>, <i>32</i>(4), 339. https://doi.org/10.4103/tcmj.tcmj_71_20 | | | | |
| Reminders | Ask the students to watch the PILS at home. Provide working time/time allotment for the activity. Ask the students if they need an extension to accomplish the work. Make sure to facilitate learning by going around every group/pair to check for learning and understanding or ask questions to ensure participation and learning. Discuss how the students will be graded using the rubric for the SWOT Analysis activity. | | | | |

| A. Preliminary | Students (per group) will provide 5 insights based on the given learning |
|-------------------|---|
| Activities | materials. They are required to probe assumptions, provide rationale and |
| These are initial | evidence, and question viewpoints and perspectives. Students will |
| activities that | present it via tabular form (Insights Column, Rationale and |



| learners will do to exhaust the content of the resource material. | Evidence/Example Column, Contrasting Viewpoints/Perspectives Column – if applicable). |
|---|--|
| B. Deepening of understanding These are activities that learners will do to analyze, evaluate, and/or synthesize the content of the resource material. C. Ungraded formative assessment This would refer to ungraded activities that will assess students' demonstration of understanding and skills, using the resource material as a vehicle to build learning base. | Discuss and probe the groups' answers (e.g., content, responses, or outcomes) in their accomplished table. Group Presentation: "AI Ascension: Do Human Beings Really Need Artificial Intelligence?" Each group will present their insights that they have compiled in the table. Encourage students to reflect and facilitate a deeper understanding of information presented in the table. |
| D. Closure and synthesis These are activities that learners will do to reflect on what transpired in the whole teaching- learning episode. | How can critical curiosity be cultivated among students and professionals to view AI as a tool for enhancement rather than replacement of work, and what skills are essential for effectively working with AI? How can critical thinking skills be developed and emphasized to navigate the potential biases and limitations of AI, especially in decision-making processes? How can human relationships be built and maintained to discern authenticity in a world where AI plays an increasingly prevalent role in various aspects of our lives? |



| A. Work-along activities This would refer to | While watching the PILS create a <i>Jump Start Journal</i> – Ask students to collect and organize their thoughts about the PILS. Be sure to answer these guide questions: |
|---|--|
| ungraded activities that will allow students to explore the resource material and further their ideas. | What are the ethical considerations in the use of AI, and how can individuals be educated to make ethical decisions regarding AI? What steps can be taken to mitigate the potential negative impacts of AI on jobs, particularly in higher income sectors, and how can AI be effectively integrated into our job (e.g., healthcare) without compromising human-centric care/connection? In what ways can AI be harnessed to combat misinformation/disinformation, and what responsibilities do individuals and institutions have in ensuring the truthful use of AI-generated content? How can AI literacy contribute to understanding and addressing biases, such as those reflected in Google Autocomplete, and what role does education play in minimizing harmful content perpetuated by AI? How can educational systems encourage and embrace wonder and curiosity to foster human intelligence alongside the integration of AI technologies? |

| A. Assessment | FA7: SWOT Analysis |
|---------------------|--|
| task | Students will work in groups to conduct a SWOT (Strengths, |
| This refers to what | Weaknesses, Opportunities, and Threats) Analysis of the |
| output or | impact of Artificial Intelligence (AI) on various aspects of |
| performance | society. Each group will create a table (4 Quadrants, see sample |
| students are | templates below) outlining the strengths, weaknesses, |
| expected to | opportunities, and threats related to AI's influence. During the |
| accomplish as | presentation, each group will discuss the table's content, |
| evidence of | focusing on the strengths and weaknesses of AI's societal |
| demonstrating the | impact, as well as opportunities and potential threats it poses. Additionally, each group will address the question of how AI |
| learning outcomes. | utilization aligns with personal growth and societal progress. |



| B. Instructions | Students must | Students must follow this format: | | | | |
|--|---|---|---------------------|-------------|--|--|
| This refers to | Create | • Create your SWOT Analysis following this format: 8.5" x 11", | | | | |
| specific instruction | is portrai | portrait. | | | | |
| in accomplishing | • Save y | • Save your SWOT Analysis output as PNG , JPG or PDF , with | | | | |
| the tasks and would | - | filename: | | | | |
| be communicated | GED0 | GED0104-STS_FA7_Surnames (e.g., GED0104- | | | | |
| to the students. | STS_F | FA7_Cruz-Santos-V | aldez) | | | |
| | Place a | | | | | |
| | maxim | num of 5) in the com | ment section of Car | nvas. | | |
| | • Ensure | e proper citation/refe | erence. | | | |
| | | | | | | |
| | Reminder to | TAs: | | | | |
| | | s a group assessmen | t (maximum of 5). | | | |
| | | e students submit thi | | | | |
| | | member will submit the file to avoid duplicate submissions. | | | | |
| | | 11. Tell your students to cite their sources, especially if the ideas are | | | | |
| | | not their own. | | | | |
| | 12. Fublis | 12. Publish the assessment early in Canvas. | | | | |
| | | | | | | |
| | 00 | Suggested Timeline for Module 6: | | | | |
| | | * <i>November 23 – November 26</i> (Provide the PILS to students) | | | | |
| | | *November 27 – December 2 (Preliminary Activity/Discussion and | | | | |
| | - | Group Presentations, Deepening of Understanding – Group Presentations and Q&A Portion, Giving of FA7 instructions) | | | | |
| | | - | - | | | |
| | | * <i>December 4 – December 9</i> (Submission and Presentation of FA7 per Group, Synthesis and Closure) | | | | |
| | | Group, Synthesis and Closure) | | | | |
| | *You may set the deadline anytime between the stipulated dates. | | | | | |
| | | | | | | |
| C. Rubric | C. Rubric | | | | | |
| This refers to the criteria for grading the assessment task. | | | | | | |
| | Outstanding | Proficient | Basic | Needs | | |
| Criteria | 0 | | | Improvement | | |
| | 10 – 8 | 7 – 5 | 4 - 2 | 1 - 0 | | |

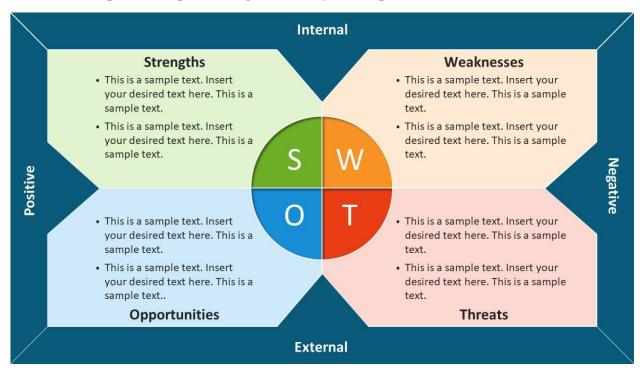


| | - | ~ ~ ~ | - | |
|---------------|----------------------|----------------------|---------------------|---------------------|
| Group Work | Demonstrates | Shows effective | Demonstrates | Limited evidence |
| and | exceptional | teamwork and | some teamwork | of teamwork and |
| Collaboration | teamwork and | collaboration. | and collaboration, | collaboration. |
| | collaboration. | Contributions | but there are areas | Contributions are |
| | Contributions | from all members | where | uneven or |
| | from all members | are solid, resulting | contributions are | insufficient. |
| | are outstanding, | in a well- | uneven or lack | |
| | leading to a | developed SWOT | depth. | |
| | comprehensive | analysis. | | |
| | and well- | | | |
| | coordinated | | | |
| | SWOT analysis. | | | |
| SWOT | The SWOT | The SWOT | The SWOT | The SWOT |
| Analysis | analysis is | analysis is well- | analysis is basic, | analysis is |
| Content | thorough, | developed, | covering some | incomplete or |
| | insightful, and | covering all | aspects of AI's | significantly lacks |
| | effectively covers | aspects of AI's | impact but lacks | depth. It does not |
| | all aspects | impact with good | depth or insight. | effectively cover |
| | (strengths, | insights. Content | Content indicates | AI's impact on |
| | weaknesses, | shows a solid | a limited | society. Content |
| | opportunities, | understanding of | understanding of | demonstrates a |
| | threats) related to | strengths, | strengths, | minimal |
| | AI's impact on | weaknesses, | weaknesses, | understanding of |
| | society. Content | opportunities, and | opportunities, and | strengths, |
| | demonstrates a | threats. | threats. | weaknesses, |
| | deep | | | opportunities, and |
| | understanding. | | . | threats. |
| Presentation | Exceptional | Proficient | Basic presentation | Weak presentation |
| Skills | presentation skills. | presentation skills. | skills. The group | skills. The group |
| | The group | The group | communicates the | struggles to |
| | effectively | communicates | SWOT analysis | communicate the |
| | communicates | their SWOT | adequately, but | SWOT analysis, |
| | their SWOT | analysis well, with | there may be some | lacking clarity and |
| | analysis, engages | good engagement | lack of clarity or | engagement. The |
| | the audience, and | and clarity | engagement. The | alignment of AI |
| | clearly articulates | regarding the | alignment of AI | utilization with |
| | the alignment of | alignment of AI | utilization with | personal growth |
| | AI utilization with | utilization with | personal growth | and societal |
| | personal growth | personal growth | and societal | progress is unclear |
| | and societal | and societal | progress is | or not effectively |
| | progress. | progress. | mentioned, but not | addressed. |
| | | | strongly | |
| | | | emphasized. | |



SWOT Analysis Sample Template

Reference: https://clickup.com/blog/swot-analysis-templates/





SWOT Analysis PowerPoint Design

