

SENIOR HIGH SCHOOL

Department of Education
National Capital Region

**SCHOOLS DIVISION OFFICE
MARIKINA CITY**

Practical Research 2

Second Quarter-Module 12
Formulating Recommendations



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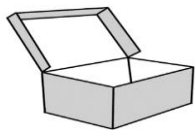
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What I Need to Know

Hello Grade 12 learners! In this module for the 2nd grading period, you will learn how to:

Formulate recommendations

You can say that you have understood the lesson in this module if you can already:

1. define recommendation in research;
2. identify the characteristics of recommendations;
3. rewrite the purposes of recommendations; and
4. make recommendations based on conclusions.



What I Know

Answer the questions below to the best you can.

1. What are recommendations and how are these important in research?

2. How do you make recommendations in research?

Lesson 1

Formulating Recommendation



What's In

In the previous lessons, you learned on formulating logical conclusions based on research findings. I am very sure that you learned your lessons well. With this in mind, I know that you can do the task below without browsing back the pages of the previous module. I am very positive that you can do the tasks below as directed.

In your own words, do the following as directed.

- A. Write a short paragraph discussing how to formulate logical conclusions.

- B. In at least 100 words, summarize the strategies for writing effective and logical conclusions.



What's New

A. Before Reading Activity

Do you know of a person who applies for a job? Did he/she need a recommendation for the job? Why is a recommendation needed?

B. During Reading Activity

Let us read this sample recommendation by Jane Copland from <https://blog.thepensters.com/recommendation-research-paper/>.

To begin with, in order to reduce the impact of a given issue, Sony Computer Entertainment (SCE) needs to conduct a proper analysis and outline the best course of actions. Clearly, in order to conduct such a research, the company should focus their core resources on a proper evaluation of their past positive outcomes. This is the very first step that will not only secure a proper outcome in the future, but will eliminate issues that are present today.



C. After Reading Activity

Let us analyze the sample recommendation given by Copland by answering the following questions:

1. What is the recommendation for?

2. What recommendations were given? Write two.

3. How important is the recommendation for the company?

4. If you were to give a recommendation to the same company, will you give the same? Why? Why not?



What is It

Dear learner, you are almost done with your paper! Congratulations!

But before your paper is completed, you need to write recommendations on it. *What are recommendations?* _____

According to *blog.thepensters.com*, recommendation in research paper can be defined as a critical suggestion regarding the best course of action in a certain situation. *What does this mean?* This means, my dear learner that a recommendation is like a suggestion which is very important for your reader to know what to do. Furthermore, the same site says that the whole idea of a recommendation is to provide a beneficial guide that will not only resolve certain issues, but result in a beneficial outcome.

But how important recommendations are? _____

Recommendations are very important. As what *Prieto, et al.* states, recommendations typically play a vital portion of a research study.

You are probably thinking that formulating recommendations is a difficult thing to do. *Do you think it is difficult, dear learner? Do you think you can come up with recommendations on your study?* Well, most of the researchers are having this thought like you. You do not need to be afraid as formulating recommendations is easy. You only need to make sure that the findings and conclusions have been fully explained and completed and making recommendations will be an easy thing to do. Bear in mind that recommendations are based on the findings of the study and they should not be based on your own beliefs and biases.

One more thing. You may be thinking that a recommendation should be long. *Will you be required to write a very long recommendation?* No, my dear learner. A recommendation should not be too broad or lengthy because if it is, it will lose its relevance to the exact topic of your research paper.

Are you getting the point now? I am glad that you are getting interested with the topic. I know that with the interest you are showing, you will be able to come up with your own recommendations on your paper.



For you to really know about the topic and have the idea on how to make your own recommendations, let us have the characteristics of recommendations as given by the authors mentioned above:

Characteristics of Recommendations

- Relevance to the study
- Logical reasoning
- Feasibleness and attainability

Can you explain in your own understanding the given characteristics of recommendations?

Well, let us try to discuss each characteristic:



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Accordingly, relevance measures the degree to which a certain variable is related or useful to what is being talked about. *What does this mean?* This means, dear learner that your recommendations should be about the things discussed in your study as recommending things not part of your study is, of course, irrelevant. Remember that your recommendations should be based on the conclusions you make based on the findings of your study.

Going on, recommendations should be thought carefully and there must be a valid reasons why you come up with these.

Again, where do you base your recommendations? Do not forget, dear learner, that recommendations should be based on the findings and conclusions, therefore, they should be practical, workable and achievable. You do not make a recommendation which is not possible to accomplish. For example, if your study is about the school canteen, a recommendation pertaining to the need to improve and upgrade the canteen for better patronage is feasible and attainable.

Let us go further with these information regarding the topic from www4.caes.hku.hk:

As per the site, a recommendation proposes an **action** and a **further research**. This means that you suggest another action or research to get more findings on the study being conducted. To restate the information based on the reference used in this particular part of the lesson, recommendations may:

- Recommend follow-up or future work that remains to be done such as:
 - ✓ carrying out research which seeks to replicate or extend your study
 - ✓ carrying new research which you were unable to attempt, but feel is necessary
 - ✓ applying or considering the implications of your research.

- Reflexively caution or advise on problems, weaknesses or omissions of your study. Examples of these are:
 - ✓ variables that still need to be examined more fully
 - ✓ weaknesses in your methodology, such as an unrepresentative or small sample, the purpose of which is for other researchers to avoid the same problem.

Are you getting the clear picture now, dear learner?

This time, as we proceed with the discussion of the lesson, let us delve into the purposes of recommendations after determining issues raised in a research study.

Let me just tell you that I got these parts of the lesson from the book Practical Research 2 for Senior High School by Prieto, et al.

Purposes of a Recommendation

1. Policy Recommendation

A policy serves as a guideline in promulgating certain regulations in various sectors of society. Every sector of society has policies. One valid example of a policy is the wearing of school uniform.

Accordingly, policy recommendations should be included as an output of research and you as the researcher can use the findings of your research studies to effect change in policies already being implemented.

But how are you going to do this?

The authors say that your recommended actions should be specified and that you include also the steps required to implement the proposed actions and what resources are needed. Furthermore, when formulating policy recommendations, you should include the following:

- Discussion of the problems based on the findings and what should be done to solve the problem.
- Discussion of the benefits or disadvantages to the agency or organization.
- The feasibility or viability of the proposed policy, and
- The plan of action and the evaluation process to ensure success of the proposed policy recommendation.

Now, let us have sample policies:

Suppose you are studying the preparedness of teachers to handle the K to 12 program and that you make a *policy recommendation on lack of teacher preparation*. Your recommendation may be like this:

“Teacher preparation and development programs should include development of pedagogical knowledge and competencies to handle the K to 12 program.”

Another example. You are studying on the semesterly load of Accountancy, Business and Management students and based on the study it is heavier for students. Your *policy recommendation on the heavier semesterly loads of the students* may look like this:

“Revisit the 80 hours per semester requirement for each subject in the Senior High School Curriculum.”



Lastly, if you study on the preparation of modules, guides and other instructional materials and you make a *policy recommendation on lack of modules and other instructional materials*, this may be your recommendation:

“Teachers should be encouraged to conduct research work and collaborate with other teachers in the preparation of modules, guides and other instructional materials.”

Is your study recommending a policy?

I hope that the first purpose of recommendation is clear to you now. Let us then have the next purpose.

2. Recommendations for Future Research Directions

A research may have some gaps and there may be a need for further validation. Accordingly, to address these problems, it is ideal to present and discuss actions or off-shoots of your research for further study and validation purposes. *But how are you going to do this?* Experts say that you may do this by presenting or discussing additional research which you were not able to include in your research but worthwhile doing.



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Some types of future research suggestions are given below by the experts whose work I am utilizing in this module for your guidance. I am giving a simple explanation to each of the type of future research suggestion for you to easily grasp each concept.

1. Addressing research limitations of your research study.

Does your study have limitations? It is understandable that your research will have limitations which affect its finality. Say for example, you research on the effects of socio-economic status to the academic performance of students in English. You found out that income or socio-economic status does not affect academic performance but when you compared your sample to the whole population of the school, it was inadequate and that a larger sample is needed to determine if the same results will come out to produce better recommendations.

2. Examining other variables not included in your current research study.

You know that a study cannot be conducted without variables. *What are the variables of your study?* Remember that variables are used to find out the answers to your problem. Now if you think that there is a need to look into other variables and include these in the study to have more valid findings, then you can make a recommendation on this for future studies.

3. *Examining alternative interventions which merits serious study.*

Some research findings suggest interventions to solve the problem under study. If you think that there is a need to have alternative interventions, aside from the ones you identified, that can be of help to the study, then you may make a recommendation on this.

4. *More research on the effects and effectiveness of a similar program to younger or older age groups.*

You recommend on a further study of your topic to see if its effects and effectiveness are the same with the different age groups or kinds of respondents. *Do you think your study is like this?*

5. *Similar studies which may be done on academic achievement on other subjects.*

Suppose you are conducting a study on academic performance of students on English and online games. You found out that online games affect academic performance in English. For a further study, you may suggest a similar study on other subjects like Practical Research 1, Practical Research 2, Media and Information Literacy and other subjects.

3. Recommendations to some Problems Discovered in the Research Study

Some problems are discovered in your research study. *Do you still remember these problems? What are these? What did you do?* You may suggest some actions to address these problems. Say for example, in a study mentioned in the research book of Prieto and others on the “Evaluation of Mainstreaming Special Education (SPED) for Visually Impaired” by DepEd. Accordingly, results indicated that teachers are not majors of SPED and the facilities are inadequate to support the program.



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Sample recommendations for this are:

1. *Hire qualified teachers to handle the program.*
2. *Conduct regular trainings/workshops and other faculty development programs to improve the capabilities of current teachers.*
3. *Improve existing facilities, instructional materials, curriculum, teaching approaches, school management and other support systems to improve effectiveness of mainstreaming SPED program of DepEd.*

Are you getting the hang of the topic now dear learner? Well, I know that you are getting more interested on the topic. I could feel that you are willing to learn more. Am I right, dear learner? Given this positive feeling, let me give you this information I got from research-methodology.net for your added learning:

Accordingly, your research study needs to include suggestions for future research. You will need to propose suggestions for future studies and these can include the following:

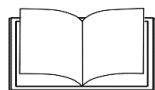
1. *Building upon findings of your research.* These may relate to findings of your study that you did not anticipate. Moreover, you may suggest future research to address unanswered aspects of your research problem.

2. *Addressing limitations of your research.* Your research will not be free from limitations and these may relate to formulation of research aim and objectives, application of data collection method, sample size, scope of discussions and analysis, etc. You can propose future research suggestions that address the limitations of your study.

3. *Constructing the same research in a new context, location and/or culture.* It is most likely that you have addressed your research problem within the settings of specific context, location and/or culture. Accordingly, you can propose future studies that can address the same research problem in a different setting, context, location and/or culture.

4. *Re-assessing and expanding theory, framework or model you have addressed in your research.* Future studies can address the effects of specific event, emergence of a new theory or evidence and/or other recent phenomenon on your research problem.

I hope that the topic is very clear to you now and I am very sure you will be able to do the tasks that will be given to you as you proceed with this module.



What's More

Answer the activities that will follow to practice your knowledge and skill about the topic of making recommendations based on logical conclusions in research.

Activity 1

In your own words, define recommendations in research. Write three sentences containing at least 50 words explaining your answer below.

Activity 2

Identify the different characteristics of recommendations by writing them on the numbered rows on the left side of the table below. Then using your own words, write on the right column one or two sentences discussing each strategy.

Be guided with the rubrics below when writing your task.

Rubrics for Grading Output:

Criteria	Outstanding 10 points	Very Satisfactory 8 points	Satisfactory 6 points	Needs Improvement 4 points
Content	Characteristic of recommendation is completely written and is well discussed.	Characteristic of recommendation is satisfactorily written and discussed.	Characteristic of recommendation is somehow given and discussed.	Characteristic of recommendation is not given and discussed.

Do your task here:

Characteristics of Recommendations	
Characteristic	Discussion
1.	
2.	
3.	

Activity 3

You were given the purposes of recommendations. Without reading back, rewrite using your own words the purposes of recommendations in one or two paragraphs.



What I Have Learned

In this module, you have studied about formulating recommendations. Express what you have learned by answering the questions below.

1. What is recommendation in research?

2. What are the characteristics of recommendation?

3. Why are recommendations important?

4. How do you properly write a recommendation?



What I Can Do

Apply what you have learned in this module by doing this activity.

Below is the Abstract of the study I wrote on the socio-economic status and the academic performance of selected students. Study the given abstract, particularly the conclusions, and make a recommendation (based on the conclusions).

ABSTRACT

This study aimed to determine the relationship between the socio-economic status or the monthly family income and the academic performance in English for Academic and Professional Purposes subject of selected Grade 12 Arts and Designs student-respondents during the first semester of school year 2019-2020.

More specifically, it attempted to answer the following questions:

1. What is the monthly family income of the respondents?
2. What is the academic performance of the respondents during the first semester?
3. Is there a significant relationship between the socio-economic status and the academic performance of the respondents?

This correlational type of research was used in this study in which the researcher measured two variables, understood and assessed the statistical relationship between them with no influence from any extraneous variable.

The Pearson's r Coefficient test was utilized to determine the relationship of the variables.

The salient findings of the study based on the questions raised are:

1. The heads of the family of the respondents are employed.
2. Most of the respondents belong to the lower class family status.
3. Most of the respondents excelled academically.
4. There is no significant relationship between the socio-economic status or monthly family income and the academic performance of the respondents in English for Academic and Professional Purposes subject.

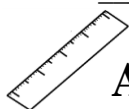


Conclusions:

Based on the findings of the study, the following conclusions were drawn:

1. Monthly family income does not affect academic performance.
2. Students excel academically regardless of their socio-economic status.

Recommendation:



Assessment

Fill in the blank with the correct answer.

1. Recommendation in research paper can be defined as a ____ suggestion regarding the best course of action in a certain situation.
A. common
B. considerable
C. creative
D. critical
2. The whole idea of a recommendation is to provide a beneficial ____ that will not only resolve certain issues, but result in a beneficial outcome.
A. guide
B. report
C. survey
D. test
3. Recommendations are based on the ____ of the study.
A. design
B. findings
C. hypothesis
D. theory
4. A recommendation should not be too broad or lengthy because
A. it will develop more interest in the reader.
B. it will lose its relevance to the exact topic of the research paper.
C. it will make the research paper more interesting.
D. it will match other scholarly works.
5. ____ measures the degree to which a certain variable is related or useful to what is being talked about.
A. Data
B. Population
C. Relevance
D. Validity
6. A recommendation proposes an action and a ____.
A. further analysis
B. further assessment
C. further research
D. further validation
7. Policy recommendations should be included as an ____ of research.
A. inference
B. interpretation
C. introduction
D. output
8. It is ideal to present and discuss actions or off-shoots of your research for further study and ____ purposes.
A. analysis
B. assessment
C. discussion
D. validation



- 

In the previous module, you were tasked to write conclusions on some areas to address the issues and problems identified in the research conducted by your principal on possible reasons on the decline in the number of students entering and buying in the canteen.

1. Variety of food



4. **Quality of food**

Conclusion:

Recommendation:

5. **Quality of service of canteen staff**

Conclusion:

Recommendation:

Post-test

Practical Research 2

Quarter 2- Module 12 Formulating Recommendations

Write the letter of the correct answer on the space before the number.

1. Which of the following is the basic rule in writing a recommendation?
 - A. Do not recommend anything that you have not previously discussed in your research paper.
 - B. Recommendation should point out what were factually learned from the inquiry.
 - C. Recommendations are not explained nor elaborated upon anymore.
 - D. Recommendations should refer only to the population.
2. Recommendation in research paper can be defined as a ____ suggestion regarding the best course of action in a certain situation.
 - A. common
 - B. considerable
 - C. creative
 - D. critical
3. What is the final stage of a research writing that based on the results and conclusion of the study?
 - A. Abstract
 - B. Recommendations
 - C. References
 - D. Bibliography



4. The whole idea of a recommendation is to provide a beneficial _____ that will not only resolve certain issues but result in a beneficial outcome.
 - A. guide
 - B. report
 - C. survey
 - D. test
5. In writing effective recommendations, which of the following does NOT describe effective recommendations?
 - A. Brief
 - B. Clear
 - C. Precise
 - D. Wordy
6. Recommendations are based on the _____ of the study.
 - A. design
 - B. findings
 - C. hypothesis
 - D. theory
7. A recommendation should not be too broad or lengthy because _____.
 - A. it will develop more interest in the reader.
 - B. it will lose its relevance to the exact topic of the research paper.
 - C. it will make the research paper more interesting.
 - D. it will match other scholarly works.
8. A research finding is that, “the scholars lack the motivation to study due to scarcity of learning resources” and the conclusion is, “scholarship is not just a student factor because there are other considerations that can contribute to a drive to attain excellence in studies.” Which of the following is the best recommendation?
 - A. Plans must be carried out to provide a more conducive learning environment.
 - B. Scholars must be encouraged to study even if there are no learning resources.
 - C. Schools must provide monetary allowance to their scholars.
 - D. Schools should remove unmotivated scholars.
9. In which part of the paper do you make suggestions about some resolutions as responses to research problems?
 - A. Discussion
 - B. Research problem
 - C. Research recommendation
 - D. Research Survey
10. A recommendation proposes an action and _____.
 - A. further analysis
 - B. further assessment
 - C. further research
 - D. further validation

11. Policy recommendations should be included as an ____ of research.
- A. inference
 - B. interpretation
 - C. introduction
 - D. output
12. It is ideal to present and discuss actions or off-shoots of your research for further study and ____ purposes.
- A. analysis
 - B. assessment
 - C. discussion
 - D. validation
13. As a researcher, you will recommend for further study. This recommendation will address what problem?
- A. Data analysis
 - B. Population sample
 - C. Research gaps
 - D. Research questionnaire
14. Recommendation may build upon findings of your research that you ____.
- A. anticipated
 - B. did not anticipate.
 - C. did not discuss.
 - D. discussed
15. When formulating policy recommendations, you include the discussion of the problems based on the ____ and what should be done to solve the problem.
- A. analysis
 - B. findings
 - C. interpretation
 - D. validity



References

Books:

Prieto, Nelia G. et al, *Practical Research 2 for Senior High School*. Quezon City:
Lorimar Publishing House, Inc., 2017

Internet Sources:

Clipart on Making Recommendations. Retrieved July 2020 from https://www.google.com/search?source=univ&tvm=isch&q=clipart+on+making+recommendations&sa=X&ved=2ahUKEwj2x_gxLPqAhXwxosBHSTOCRsQsAR6BAgJEA&biw=1366&bih=657#imgsrc=onDNiByHP-ZNmM

Clipart on Making Recommendations. Retrieved July 2020 from https://www.google.com/search?source=univ&tvm=isch&q=clipart+on+making+recommendations&sa=X&ved=2ahUKEwj2x_gxLPqAhXwxosBHSTOCRsQsAR6BAgJEA&biw=1366&bih=657#imgsrc=bW1zeGzWe281rM

Clipart on Making Recommendations. Retrieved July 2020 from https://www.google.com/search?source=univ&tvm=isch&q=clipart+on+making+recommendations&sa=X&ved=2ahUKEwj2x_gxLPqAhXwxosBHSTOCRsQsAR6BAgJEA&biw=1366&bih=657#imgsrc=tAAE6DSCF8ySpM&imgdii=R5K_naOSULEKLM

Example of Recommendation in Research Paper. Retrieved July 2020 from <https://blog.thepensters.com/recommendation-research-paper/>

Making Recommendations. Retrieved July 2020 from <https://www4.caes.hku.hk/acadgrammar/report/repProc/sections/discuss/reccom.htm>

Suggestions for Future Research. Retrieved July 2020 from <https://research-methodology.net/research-methodology/suggestions-future-research/>

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