LESSON PLAN

Unit : SMP N 1 Bandar Lampung
Subject : Biology
Class/ Semester : VII/ 2
Time : 1 meeting (2 x 45 minutes)
Meeting : First meeting

Standard Competence : Relizing interactions in ecosystem
Basic Competence : Applying the role of human beings in managing the environmental pollution and damage
Indicator : - Explaining the influence of illegal logging with environment damage
- Explaining the efforts to overcome illegal logging.
- Explaining the influence of water pollution, air pollution, and soil pollution, and the relation between human activities and the efforts to overcome illegal logging.

I. OBJECTIVES
   After learning process student have ability to :
   A. Explain the caused of air pollution effect
   B. Mention dealing with pollution and destruction of environment

II. MATERIALS
   A. Chapter : Pollution and destruction of environment and its relationship with human activities
   B. Sub chapter : a. The influence of pollution of air, and the efforts to overcome it.
      b. Mention the dealing with pollution and destruction of environment

III. LEARNING STRATEGY

A. MODELS
   a. Picture and picture

B. METHODS
   a. Giving information
### IV. STEP

<table>
<thead>
<tr>
<th>No</th>
<th>Teacher Activity</th>
<th>Student Activity</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction</td>
<td>- Listening to the teacher apperception.</td>
<td>15 minutes</td>
</tr>
<tr>
<td></td>
<td>- Giving apperception and motivating student</td>
<td>- Answering the teacher question</td>
<td></td>
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<td></td>
<td>- Pre-condition question</td>
<td></td>
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<tr>
<td>2</td>
<td>Main activities</td>
<td>- Listening to the teachers explaining</td>
<td>65 minutes</td>
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<tr>
<td></td>
<td>- Teacher explains the outline of lesson by using some picture</td>
<td>- Looking the picture</td>
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<td></td>
<td>- Teacher prepares some picture based on the objectives.</td>
<td>- Listening to the teachers information</td>
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<td></td>
<td>- Teacher shows the picture by using LCD</td>
<td>- Analyzing the picture</td>
<td></td>
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<tr>
<td></td>
<td>- Teacher give some information about the picture</td>
<td>- Describing the picture</td>
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<td></td>
<td>- Teacher give chance to the student to analyze the picture</td>
<td>- Listening the conclusion</td>
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<tr>
<td></td>
<td>- Teacher ask student to describe the picture</td>
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<td></td>
<td>- Teacher give conclusion of the lesson</td>
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<tr>
<td>3</td>
<td>Closing</td>
<td>- Student do the post test</td>
<td>10 minutes</td>
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<tr>
<td></td>
<td>- Teacher give post test to the student</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
V. SOURCES  
a. Biology student book  
b. Work sheet  
c. Internet  

VI. EVALUATION  
A. EVALUATION TECHNIQUE  
a. Post-test  

B. INSTRUMENT  
a. Essay test  

C. SAMPLE OF INSTRUMENT  
a. Direction  
- Answer these questions completely in 10 minutes!  

b. Essay test  
1. What is the meaning of pollution?  (Score 50)  
2. What is the meaning of pollutant?  (Score 50)  

c. Answer  
1. Pollution is the entering of pollution material into environment that can disturb the life of living organisms in it, whether naturally such as the effect of volcano eruption, or as the effect of human action.  
2. Pollutant is every thing that can cause the pollution.
LESSON PLAN

Unit : SMP N 1 Bandar Lampung
Subject : Biology
Class/ Semester : VII/ 2
Time : 1 meeting (2 x 45 minutes)
Meeting : Second meeting

Standard Competence : Relizing interactions in ecosystem
Basic Competence : Applying the role of human beings in managing the environmental pollution and damage
Indicator : - Explaining the influence of illegal logging with environment damage
- Explaining the efforts to overcome illegal logging.
- Explaining the influence of water pollution, air pollution, and soil pollution, and the relation between human activities and the efforts to overcome illegal logging.

I. OBJECTIVES
After learning process student have ability to :
A. Explain the caused of air pollution effect
B. Mention dealing with pollution and destruction of environment

II. MATERIALS
A. Chapter : Pollution and destruction of environment and its relationship with human activities
B. Sub chapter : a. The influence of pollution of air, and the efforts to overcome it.
   b. Mention the dealing with pollution and destruction of environment

III. LEARNING STRATEGY
A. MODELS
   a. Student facilitator and explaining

B. METHODS
   a. Giving information
   b. Presentation
IV. STEP

<table>
<thead>
<tr>
<th>No</th>
<th>Teacher Activity</th>
<th>Student Activity</th>
<th>Time</th>
</tr>
</thead>
</table>
| 1  | **Introduction**  | - Listening to the 
|     | - Giving apperception and 
|     |   teacher apperception 
|     | - Pre-condition question | - Answering the 
|     | - Teacher tell the 
|     |   teacher question | - Listening to the 
|     | - Teacher give student 
|     |   competence | - Do the 
|     | - Teacher give chance to presentation 
|     |   their assignment by 
|     |   using laptop and 
|     |   internet | - Listening the 
|     | - Teacher give the 
|     |   conclusion of the lesson | - Write the home 
|     | - Teacher give the student | work. | 5 minutes |
| 2  | **Main activities** | - Listen to the 
|     | - Teacher tell the 
|     |   teacher | - Answering the 
|     | - Teacher give student 
|     |   chance to presentation 
|     | - Teacher give the 
|     |   conclusion of the lesson | - Listening to the 
|     | - Teacher give student 
|     |   a home work | - Do the 
|     | - Listening to the 
|     |   teacher | - Listen to the 
|     | - Teacher give student 
|     |   a home work | conclusion | 70 minutes |
| 3  | **Closing** | - Write the home 
|     | - Teacher give the student 
|     |   a home work | - Write the home 
|     | - Teacher give the student 
|     |   a home work | work. | 5 minutes |

V. SOURCES
a. Biology student Book
b. Internet

VI. EVALUATION
A. EVALUATION TECHNIQUE
   a. Presentation
   b. Home work

B. INSTRUMENT
   a. Essay test

C. SAMPLE OF INSTRUMENT
   a. Direction
   - Answer these questions completely in your home and collect it at the next meeting!
b. Essay test
1. What is the meaning of air pollution? (Score 30)
2. What things that can cause the green house? (Score 30)
3. How can we overcome air pollution? (Score 40)

c. Answer
1. Air pollution is the entry of chemical components in the air, or formation of new chemical agents which endanger human or living organisms around
2. The increase of earth heat that caused by:
   – Increase of CO₂ gas in atmosphere
   – Decrease of oxygen in atmosphere
   – Decrease of forest area on earth
3. - Not to burn rubbish in the yard
   - Immediately put out the stove if cooking finished
   - Not to smoke in the room
   - Not to use AC that consist of CFC
   - Grow decorative plants in the yard
   - Participate in reforestation
   - Forbids the circulation of dangerous insecticides
   - Industries must make chimneys
   - Decrease the use of fossil fuel

SMP N 1 Bandar Lampung Principan

Drs. H. Haryanto M, Si
NIP : 19580612 198111 1 001

Dra. Fitrisia
NIP : 19670117 199802 2 001
LESSON PLAN

Unit : SMP N 1 Bandar Lampung
Subject : Biology
Class/ Semester : VII/ 2
Time : 1 meeting (2 x 45 minutes)
Meeting : Third meeting

Standard Competence : Relizing interactions in ecosystem
Basic Competence : Applying the role of human beings in managing the environmental pollution and damage
Indicator : - Explaining the influence of illegal logging with environment damage
- Explaining the efforts to overcome illegal logging,
- Explaining the influence of water pollution, air pollution, and soil pollution, and the relation between human activities and the efforts to overcome illegal logging.

I. OBJECTIVES
After learning process student have ability to :
A. Explain the caused of air pollution effect
B. Mention dealing with pollution and destruction of environment

II. MATERIALS
A. Chapter : Pollution and destruction of environment and its relationship with human activities
B. Sub chapter : a. The influence of pollution of air, and the efforts to overcome it.
   b. Mention the dealing with pollution and destruction of environment

III. LEARNING STRATEGY

A. MODELS
   a. Student facilitator and explaining

B. METHODS
   a. Giving information
   b. Presentation
   c. Discussing
IV. STEP

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<tr>
<td>1</td>
<td>Introduction</td>
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<td></td>
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<tr>
<td></td>
<td>- Giving apperception and motivating student</td>
<td>- Listening to the teacher apperception</td>
<td>15 minutes</td>
</tr>
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<td></td>
<td>- Pre-condition question</td>
<td>- Answering the teacher question</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Main activities</td>
<td></td>
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<tr>
<td></td>
<td>- Teacher discuss about the student home work</td>
<td>- Discussing about home work</td>
<td>55 minutes</td>
</tr>
<tr>
<td></td>
<td>- Teacher explaining the out line of lesson</td>
<td>- Listening to the teacher</td>
<td></td>
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<tr>
<td></td>
<td>- Teacher give student chance to presentation their assignment by using laptop and internet</td>
<td>- Do the presentation</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Closing</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Teacher gives conclusion of the lesson</td>
<td>- Listening the conclusion</td>
<td>10 minutes</td>
</tr>
<tr>
<td></td>
<td>- Teacher give post test to the student</td>
<td>- Student do the post test</td>
<td>10 minutes</td>
</tr>
</tbody>
</table>

V. SOURCES
a. Biology student book
b. Internet

VI. EVALUATION
A. EVALUATION TECHNIQUE
a. Presentation
b. Discussion
c. Post-test

B. INSTRUMENT
a. Essay test
C. SAMPLE OF INSTRUMENT

a. Direction
- Answer these questions completely in 10 minutes!

b. Essay test
1. What is the meaning of pollution? (Score 20)
2. What is the meaning of pollutant? (Score 20)
3. What is the meaning of air pollution? (Score 20)
4. What things that can cause the greenhouse effect? (Score 20)
5. How can we overcome air pollution? (Score 20)

c. Answer
1. Pollution is the entering of pollution material into the environment that can disturb the life of living organisms in it, whether naturally such as the effect of volcano eruption, or as the effect of human action.
2. Pollutant is every thing that can cause the pollution
3. Air pollution is the entry of chemical components in the air, or formation of new chemical agents which endanger human or living organisms around
4. The increase of earth heat that caused by:
   - Increase of CO₂ gas in atmosphere
   - Decrease of oxygen in atmosphere
   - Decrease of forest area on earth
5. - Not to burn rubbish in the yard
   - Immediately put out the stove if cooking finished
   - Not to smoke in the room
   - Not to use AC that consist of CFC
   - Grow decorative plants in the yard
   - Participate in reforestation
   - Forbids the circulation of dangerous insecticides
   - Industries must make chimneys
   - Decrease the use of fossil fuel