|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Description: DEPED-NEW_e78wysqt **GRADES 1 to 12** **DAILY LESSON LOG** | **School:** |  | **Grade Level:** | **VI** |
| **Teacher:** | **File created by Ma’am ALONA C. REYES** | **Learning Area:** | **SCIENCE** |
| **Teaching Dates and Time:** | **MARCH 9 – 13, 2020 (WEEK 8)** | **Quarter:** | **4TH QUARTER** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| ***I. OBJECTIVES*** |  |
| 1. **Content Standards**
 | The learners demonstrate understanding of the characteristics of planets in the solar system. |
| 1. **Performance Standards**
 | The learners should be able to design an emergency and preparedness plan and kit.  |
| 1. **Learning Competencies/ Objectives**

**Write the LC code for each** | *Compare the planets of the solar system**(****S6ES-IVg-h-6****)* |
| 1. Describe the period of rotation of inner and outer planets.2. Identify the period of rotation of inner and outer planets3. Work harmoniously with the group during the activity. | 1. Compare the planets of the solar system as to their distance from the sun;2. Illustrate and describe the vastness of the solar system by comparing one planet to another relative to its distance from the sun as the center of the solar system,3. Work harmoniously with the group while doing the activity. | 1. Compare the planets of the solar system as to their components2. Appreciate the existence of the planet earth.3. Illustrate the comparison of inner and outer planet in the solar system. | Compare the planets of the solar system **(S6ES-IVg-h-6)** 1.Describe the sizes of the planets in the solar system2. Illustrate the sizes of the planets in the solar system3. Work harmoniously with the group |  |
| ***II. CONTENT*** | Rotation of inner and outer planets | Distance of planets of the solar system | Components of planets in the Solar System | Compare the planets of the solar systemDescribe the sizes of the planets in the solar system |  |
| ***III. LEARNING RESOURCES*** |  |  |  |  |  |
| 1. **References**
 |  |  |  |  |  |
|  **1. Teacher’s Guide pages** | Curriculum Guide S6ES-IVe-f-5 |  |  |  |  |
| **2. Learner’s Materials pages** |  |  |  |  |  |
| **3. Textbook pages** | Cyber Science 6, pp.310-311 | The New Science link 6 pp. 443-451; Cyber Science 6, pp 317-329 | Science Links 6 pp 443-451Science Journey 6, pp 316-331 | The New Science Links Worktext in Science and Technology 6 pp. 146-149Science Journey 6, pp. 317-321 |  |
| **4. Additional Materials from Learning Resource (LR) portal** |  |
| 1. **Other Learning Resources**
 | activity sheetMeta cards | Activity sheet, Illustration of solar system, Metacards |  |  |  |
| ***IV. PROCEDURES*** |  |  |  |  |  |
| 1. **Reviewing previous lesson or presenting the new lesson**
 | Through Guessing Games about the inner and outer planets. | Do Scavenger Hunt.Teacher asks review questions about the period of rotation of the different planets in the solar system and the pupils will search the answers around the room. | What are different planets in solar system? | What is the composition of the different planets in the solar system?Compare them. |  |
| 1. **Establishing a purpose for the lesson**
 | Activity: Word Wizard!Say: I have here words 5 sets of jumbled letters. Arrange thejumbled letters to form the words which we will be using inout activity later. The meaning of the words serves as yourclue.**TAORTOIN-**movement of the  planets**TRERORGAED**- backward  rotation or from east to  west**INNER PLANETS**- planets closest  to sun**OUTER PLANET-** gas planets**LNAPET** - a large space  object, which revolves  around a star | The teacher shows picture of the solar system and let the pupils talk about on where we are located in the solar system, and ask:How could you compare the distance of the planet from one another and its distance towards the sun? Original File Submitted and Formatted by DepEd Club Member - visit depedclub.com for more |  | Have you seen the sun and the moon? To have a good look at the solar system from earth what are we going to use? |  |
| 1. **Presenting examples/instances of the new lesson**
 | **Exploration**1. Preparationa. Setting of standards.b. Group the pupils into 5 and distribute the activity sheets.c. Check for the completeness of the materials brought by the pupils for the activity.d. Explain the directions in doing the activity.2. Introduce the lesson: signs when materials undergo physical and chemical change due to application of heat.3. Activity Proper (Group Activity)a. Supervise the pupils while they are doing the activity | **Exploration**1. Teacher gives initial instructions about the activity. *Activity 8.2-1 and 8.2-2*2. Distribute the activity sheet for each group3. Explain the direction in each activity | Our Earth is a rocky planet.It is the only planet in the solar system that can support life. | **Exploration****Teacher’s Instruction***Activity 8.4 .*The teacher will use the activity as guide. |  |
| 1. **Discussing new concepts and practicing new skills #1**
 | Presentation of group outputs. Let each group present their work in class | Students present their output on the activity. The teacher will give feedback about the result. | What do think the other planets made of?Do the ActivityPresentation of output | **Exploration**1. Setting of standard2. ActivityI-Assorting materialsII-Paragraph Reading3. Reporting |  |
| 1. **Discussing new concepts and practicing new skills #2**
 | What do you call the movement on its axis called?How long does earth rotate on its axis?Which planets have nearly the same period of rotation? | What do you call to those planets located nearer to the sun?How about those who are far from the sun? | Discuss the components of each planet in the solar system. | **Explanation**1. Based on your activities which is the biggest planet?
2. Which is the smallest planet?
3. Which planets have almost the same size?
 |  |
| 1. **Developing mastery (leads to Formative Assessment 3)**
 | Venus takes 243 days for one rotation. What does the minus sign suggest in the table’s Period of Rotation? | How much farther away is Neptune from the sun in comparison with Mercury? Venus? Earth? Mars? Jupiter? Uranus? |  | What planet is said to be the sister planet of earth?Why? |  |
| 1. **Finding practical applications of concepts and skills in daily living**
 | If you were born on Mars, would you be older or younger than your age now? Why? | If you were given a chance to be an astronaut like Neil Armstrong, which planet would you like to visit? Why?  | Do you want to live in other planet? Why? Or why not? | What is the importance of the earth’s size to people? |  |
| 1. **Making generalizations and abstractions about the lesson**
 | The planet Mars is farther from the sun than Earth. Which do you think has a longer year, Earth or Mars? Why? | Planet Mercury is been seen on Earth even without the use of telescope for a few hours immediately after sunset or before sunrise. But why is it not possible to see Neptune without using telescope? | Using a venn diagram to generalize the concept of the lesson | What is the sequence of the planets in the solar system if you arrange them according to their size? |  |
| 1. **Evaluating learning**
 | Choose the letter of the correct answer.1. A day on Saturn takes about 10 Earth hours. Which fact would best explain this short day?

 A Saturn is less dense than Earth.  B Saturn is much farther  from the Sun than Earth.  C Saturn rotates more  rapidly than Earth.  D Saturn’s orbit has greater  eccentricity than Earth’s. 1. Earth's rotation (turning on its axis) causes

 A day and night  B Solar Eclipse  C. The season to  change.  D The moon to appear  as different shapes.1. Which of the following is true?
2. Earth rotates on its axis as it revolves around the sun.
3. The sun revolves around the earth while earth is rotating.
4. Earth rotates once a month as it revolves around the sun.
5. Earth completes one rotation in 365 days.
6. Which of the following causes rotation of the Earth?

I. Day and nightII. Wind DeflectionIII. Climate changesIV. Differences of time in different places.1. I only C. I,II,III
2. I and II D. I,II IV
3. Which causes the deflection of the wind from the poles to the equator and vice versa?
4. Rotation of the Earth
5. Revolution of the Earth
6. Tilting of Earth’s axis
7. Vertical rays of the sun
8. Which of the following rotate from east to west?
9. Earth
10. Mars
11. Venus
12. Saturn
13. Which of these rotates as fast as the Earth?
14. Mars
15. Venus
16. Mercury
17. Jupiter
18. Which of the following inner planets rotates the fastest?
19. Mercury C. Earth
20. Venus D. Mars
21. Which of the following the outer planets rotates the slowest?
22. Jupiter C. Uranus
23. Saturn D. Neptune
24. Of the eight planets which planets rotates almost the same?
 | Choose the letter of the best answer.1. Which of these planets receives less heat from the sun?a. Earth c. Neptuneb. Mars d. Saturn2. Which of these describes the distance of the planets from the sun?a. Similarb. Differentc. Changingd. Peculiar3. Which of these planets receives less heat from the sun?a. Earthb. Marsc. Neptuned. Saturn4. Which of these is about 1.5 billion kilometers away from the sun?a. Saturnb. Jupiterc. Marsd. Venus5. Which is the most visible planet on earth with our naked eye?a. Marsb. Jupiterc. Venusd. Mercury | Performance test | Choose the letter of the correct answer.1. Which is the biggest planet in the solar system?
2. Neptune
3. Venus
4. Jupiter
5. Earth
6. Which is the smallest planet in the solar system.
7. Mercury
8. Earth
9. Uranus
10. Mars

3. Planet mars is bigger  than earth.1. True
2. False
3. Maybe
4. None of the above
5. Which planet has almost the same size with earth?
6. Jupiter
7. Saturn
8. Venus
9. Uranus
10. Jupiter is much bigger than the sun.
11. True
12. False
13. Maybe
14. None of the above
 |  |
| 1. **Additional activities for application or remediation**
 |  |  |  |  |  |
| ***V. REMARKS*** |  |  |  |  |  |
| ***VI. REFLECTION*** |  |  |  |  |  |
| 1. **No. of learners who earned 80% in the evaluation**
 |  |  |  |  |  |
| 1. **No. of learners who require additional activities for remediation**
 |  |  |  |  |  |
| 1. **Did the remedial lessons work? No. of learners who have caught up with the lesson**
 |  |  |  |  |  |
| 1. **No. of learners who continue to require remediation**
 |  |  |  |  |  |
| 1. **Which of my teaching strategies worked well? Why did these work?**
 |  |  |  |  |  |
| 1. **What difficulties did I encounter which my principal or supervisor can help me solve?**
 |  |  |  |  |  |
| 1. **What innovation or localized materials did I use/discover which I wish to share with other teachers?**
 |  |  |  |  |  |