



I. Find and describe sustainable practices at home, such as recycling, energy conservation, or water conservation.

How do these practices contribute to environmental sustainability, and how can they be improved?

To emphasize the value of recycling, you can display the task as a still model / working model or you can write in A 4 Paper.



**RUBRICS FOR THE TASK(STILL MODEL /WORKING MODEL AND WRITING)**

Criteria	Excellent (4)	Good (3)	Satisfactory (2)	Needs Improvement (1)	Total
Creativity & Innovation	The model works exceptionally well	The model works well	The model works adequately but may have some functional issues.	The model has significant functional issues.	
Understanding the Concept.	Displays a deep understanding of the underlying concepts and principles.	Shows a solid understanding of the concepts relevant to the project.	Demonstrates only a basic understanding of the concepts	Lacks understanding of key concepts	
Functionality	The model works exceptionally well	The model works well.	The model works adequately but may have some functional issues.	The model has significant functional issues.	
Organization	The writing is rich in content	The writing is informative, with adequate details.	The writing includes some relevant content but requires additional details.	The writing lacks substantive content.	

Language Use	The language precise	The language is clear and effective	The language is basic, with limited vocabulary	The language is unclear.	
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II. Prepare a note on green initiatives at your school

**(It refers to a set of actions, programs, and policies that are designed to promote environmental sustainability and reduce the ecological impact of the school's operations)**

How can students actively participate in and promote sustainability practices within the school community? Provide examples of successful student-led initiatives.

Explain the details in a **Chart paper** focusing on Green Initiatives.



### **RUBRICS FOR THE TASK(CHART WORK)**

<b>Criteria</b>	<b>Excellent (4)</b>	<b>Good (3)</b>	<b>Satisfactory (2)</b>	<b>Needs Improvement (1)</b>	<b>Total</b>
Content	The chart includes comprehensive and accurate data.	The chart includes accurate data with adequate details	The chart contains basic information	The chart lacks substantive content.	
Visual Appeal	The chart is visually appealing	The chart is visually pleasing, with	The chart is functional but	The chart lacks visual appeal, with minimal use of colors.	

		some use of colors, fonts.	may lack visual appeal.		
Accuracy	The data presented in the chart is highly accurate.	The chart contains most accurate data.	The chart has some inaccuracies in the data	The chart contains significant inaccuracies.	

III. Analyze the challenges and opportunities in achieving zero-waste or reduced-waste communities. How can individuals, businesses, and local governments collaborate to create more sustainable waste management systems, and what long-term benefits can be realized from these efforts?

Prepare a project work focusing on Zero waste environment.

### **RUBRICS FOR THE TASK(PROJECT)**

<b>Criteria</b>	<b>Excellent (4)</b>	<b>Good (3)</b>	<b>Satisfactory (2)</b>	<b>Needs Improvement (1)</b>	<b>Total</b>
Research	Thoroughly researched and gathered a wide range of relevant information	Conducted effective research	Conducted basic research, but some key information may be missing	Limited research conducted,	
Organization	The project is well organized	The project is organized.	The project has a basic organizational structure	The project lacks clear organization.	
Creativity	Demonstrates exceptional creativity.	Shows creativity project design	Demonstrates some creativity.	Lacks creativity	



**DARUL HUDA ISLAMIC SCHOOL AL-AIN**  
**WINTER HOLIDAY ASSIGNMENT-2023-'24**  
**MATHEMATICS**



**Grade: 7**

A. A bridge constitutes a large investment of natural, material, financial, and human capital and thus has the potential for significant positive and negative effects to the environment and society throughout its long life .Improving sustainability of a bridge focus on the use of innovative techniques in construction .Some of the sustainability objectives are :

- Reduce virgin material use • Reduce energy use • Reduce emissions to air
- Maintain or improve hydrologic regime characteristics • Maintain biodiversity
- Engage community values and sense of place • Improve safety
- Improve access and mobility • Promote innovation .

Design and construct a bridge incorporating maximum objectives of sustainability .

What are the Mathematical Concepts applied in the design?

B. Regulations, standards and goals for a more sustainable planet are in motion.A green or sustainable building is a building that, because of its construction and features, can maintain or improve the quality of life of the environment in which it is located.Make a still model of one of the UAE's sustainable buildings .Study the features which incorporated different Mathematical concepts.



C. Prepare a Poster on Sustainability related Math Problems with your suggested solutions.

## RUBRICS

<b>Assignment skills</b>	<b>Description</b>	<b>Points</b>
Meeting the first deadline	Submitting on or before time	2
Creativity	Being creative and neat.	2
Accuracy	Solutions are error free.	2
Speaks Knowledgeably	Explain the project clearly.	2
Innovative Ideas	Make use of innovative ideas.	2



Physics

**DARUL HUDA ISLAMIC SCHOOL AL AIN**

**HOLIDAY ASSIGNMENT**

**GRADE 7**

Keep the following points while doing the assignment

1. All the works should be done neatly and to be submitted on time.
2. The assignment will be assessed on the basis of neatness, presentation, creativity, timely submission and content.
3. According to your group select the assignment

**RUBRICS**

**Creativity- 2**

**Neatness - 2**

**Presentation- 2**

**Content – 3**

**Timely submission-1**

**ACTIVITY 1 - Group 1**

**Research and find out different renewable sources and non-renewable sources of energy.**

**ACTIVITY 2 - Group 2**

**Create a chart that compares all energy sources based on factors such as cost, availability, and environmental impact.**

**ACTIVITY 3 - Group 3**

**Make models of conversion of wind energy and solar energy in to electrical energy**





**DARUL HUDA ISLAMIC SCHOOL AL-AIN**

**HOLIDAY ASSIGNMENT (2023-2024)**

**SUBJECT: CHEMISTRY**

**GRADE: VII B**



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## **Holiday Assignment**

**Instructions:** Choose any of the following topics and present it through various methods like Project work, Chart work, model making etc.

### **Topics:**

#### **Group-A:**

**Project work or working model on the topic 'Home made natural pH indicators'**

**Instructions:** You can explore and extract natural substances like red cabbage juice, beat root juice or turmeric juice to use as indicators.

For reference:

<https://www.instructables.com/Onion-Natural-PH-Indicator/>

<https://www.thoughtco.com/making-red-cabbage-ph-indicator-603650>

<https://www.youtube.com/watch?v=2uHZ4Fwjx7o>

#### **Group-B:**

**Project work or still model on 'A small scale composting system'**

**Instructions:** You can explore the decomposition process, study the science behind composting, and observe organic waste can be turned into nutrient-rich soil. It promotes sustainable practices by reducing waste and recycling organic materials.

For reference: [https://neeshgroup.com/wp-](https://neeshgroup.com/wp-content/uploads/2023/06/Small-Scale-Composting-Study.pdf)

[content/uploads/2023/06/Small-Scale-Composting-Study.pdf](https://neeshgroup.com/wp-content/uploads/2023/06/Small-Scale-Composting-Study.pdf)

<https://redcompostaje.mmaya.gob.bo/files/biblioteca/04%20GUIAS%20MANUALES/106%20Handbook%20smallscale%20composting.pdf>

**Group-C:**

**Make a Project or Working model or still model on 'Purification of water'**

**Instructions: You can design a model or project that collects and treats water from activities like hand washing or laundry, purifying it for reuse in non-portable applications like irrigation.**

For reference: <https://www.youtube.com/watch?v=7IDRRklo18Q>

<https://www.lovetoknow.com/parenting/kids/homemade-water-filter-science-project>

<i>Assessment tools</i>	<i>Marks</i>
Collection of data	4
Analysis	4
Drawing conclusion	4
Creativity	4
Presentation	4



# DARUL HUDA ISLAMIC SCHOOL, AL AIN

## Winter Holiday Assignment, December 2023

### Biology

#### Grade-7



*Energy is sustainable if it "meets the needs of the present without compromising the ability of future generations to meet their own needs"*



#### **Group A** Renewable Energy Research Paper:

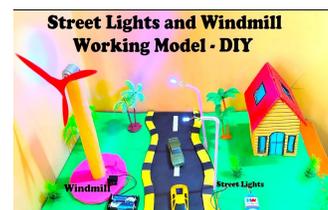
- Research a specific renewable energy source (solar, wind, hydroelectric, geothermal) in-depth. Explore the technology, benefits, limitations, and environmental impact. Organize and submit your findings, notes and data collected in the form of a booklet.

#### **Group B** Energy Efficiency Audit:

- Conduct an energy efficiency audit at home or school. Identify areas where energy is being wasted and propose simple solutions to reduce energy consumption. Present your findings and recommendations to the class along with a presentation.

#### **Group C** Model or Demonstration:

- Create models or demonstrations showcasing how a specific renewable energy source works. For example, a wind turbine model or a solar-powered device.



**Your work will be assessed on the basis of the following rubrics:**

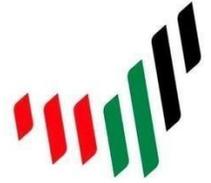
Criteria	Marks
Sustainability Knowledge	2
Creativity and originality	2
Presentation and clarity	2
Content and Accuracy	2
Submission on time	2





# DARUL HUDA ISLAMIC SCHOOL, AL AIN

## WINTER HOLIDAY ASSIGNMENT 2023- 2024



### GRADE 7

# SOCIAL SCIENCE

## The Sustainability of Water Resources

**Objective:** To understand the importance of water resources and the challenges we face in ensuring their sustainable use.

Introduction:

Water is an essential resource for all life on Earth. It is used for drinking, irrigation, sanitation, and industrial processes. However, our planet's water resources are under increasing pressure from population growth, pollution, and climate change. This makes it critical to find ways to use water more sustainably

### Assignment 1 Research and Report:

- Choose a specific water resource issue, such as water pollution, water scarcity, or water privatization.
- Research the issue and write a report that includes:
  - A description of the issue
  - The causes of the issue
  - The impacts of the issue
  - Possible solutions to the issue

OR

### Assignment 2 Create a Water Conservation Plan: (Prepare a Model)

- Develop a plan for conserving water in your home or school.
- Your plan should include specific actions that can be taken to reduce water consumption.

#### EVALUATION CRITERIA

Research- 4 marks

- Collection of information – 4 marks
- Creativity – 2 marks
- Neatness – 2 marks