



DARUL HUDA ISLAMIC SCHOOL AL-AIN
SUMMER HOLIDAY ASSIGNMENT- '22-23



SUBJECT: ENGLISH

Grade: X

In light of the chapter '*Nelson Mandela: A Long walk to Freedom*', prepare a short script for skit on the theme '*racial discrimination*'. (3-5 pages -A4 Sheet)

How to write a skit:

1. Imagine a story against racial discrimination. Develop Your Idea.
2. Outline the Story. Even if your skit is very small, it should have the beginning, middle and end.
3. Write the First Draft. ...
4. Build the Action Up. ...
5. Write the fair draft.

OR

Watch the video given below and prepare a speech in about 120-150 words on the topic 'Muhammed Ali Clay: International icon against racial discrimination'.

Video Links:

- 1) <https://www.youtube.com/watch?v=ZMG6cOKSORU>
- 2) <https://www.youtube.com/watch?v=bwrEGvkCnd0>

Rubrics:

CONTENT	2.5 Marks
GRAMMAR	2.5 Marks
VOCABULARY	2.5 Marks
PRESENTATION	2.5 Marks



DARUL HUDA ISLAMIC SCHOOL AL-AIN
SUMMER HOLIDAY ASSIGNMENT, 2022-2023



SCIENCE

Grade: 10

PHYSICS

Instructions: Any one of the following activities can be selected and exhibits your talents through various methods like Project work, Research, chart work, flow chart, poster, talk show, documentary etc.....

Activity:

1. Prepare a Project on different sources of energy. Compare the main sources of energy in Sikkim and any another state in India.
2. Prepare a flow chart or poster on cause and effect of Eye diseases in children'.
3. Prepare a project or chart work on disadvantages of hydroelectric powerplant/ nuclear power plants.

RUBRICS

Criteria	Marks
Content and Accuracy	2
Neatness and completion	2
Creativity and presentation	2
Innovation	2
Impact on audience and practicality	2
TOTAL	10

CHEMISTRY

1. Find out ingredients of face powder, nail polish, lipstick, boot polish, hair cream, shampoo, toothpaste, perfumes in your home. **Make a Brochure** in an attractive way.

OR

2. Make a video about natural indicators such as turmeric or beetroot juice or red cabbage extract.

Example: Procedure

1. Crush beetroot. Add sufficient amount of water to obtain coloured solution. Warm a little if required.
2. Filter the extract. Use it as to test the presence of acid or base
3. Arrange some transparent glasses containing lemon juice, orange juice, soda water, vinegar, baking soda solution, and soap solution.
4. Put 3-4 drops of beetroot juice in each glass and record your observation in a tabular form.

RUBRICS

EXPERIMENTAL SKILL	3
OBSERVATION	3
CREATIVITY	2
CONTENT	2

BIOLOGY

I. Answer the following questions based on the chapter 'Control and Coordination'. Write the answers in your notebook and prepare well for the upcoming exam.

1. What is the role of the brain in reflex action?
2. What happens at the synapse between two neurons?
3. What are plant hormones? Give example.
4. How does chemical coordination occur in plants?
5. What is a cerebrospinal fluid? What is its function?

6. How does phototropism occur in plants?
7. Draw the structure of a neuron and explain its function.
8. Mention the functions of the forebrain.
9. How do auxins promote the growth of a tendril around a support?
10. Draw a sectional view of the human heart and label on it: Aorta, right ventricle and pulmonary veins.

II. Nanotechnology provides the tools and technology platforms for the investigation and transformation of biological systems, and biology offers inspiration model. Find some applications of nanotechnology in medical care and disease prevention.



DARUL HUDA ISLAMIC SCHOOL, ALAIN



MER HOLIDAY ASSIGNMENT - 2022-23

Grade: 10

Max Marks:10

MATHEMATICS

1. Prepare a **Real Numbers Chart** to give a visual representation of different types of numbers included.

2. Art Integrated Project

The influence of Triangles, circles and the related elements and similar geometrical shapes in different art forms of Sikkim and how is it reflected in various spheres of life?

Include interdisciplinary links with a minimum of two other subjects. Present in the form of a short story, skit, video or any other art form of your choice.

Rubrics for Assessment:

Presentation & content : 3 marks

Accuracy & perfection : 3 marks

Creativity & Innovation : 4 marks

Practical Activity Record.

a) To use the graphical method to obtain the conditions of consistency and hence to solve a given system of linear equations in two variables.

Refer to the link for the format.

<https://www.aplustopper.com/math-labs-for-cbse-class-10>



SUMMER HOLIDAY ASSIGNMENT- July and Aug 2022

Grade: X

SOCIAL SCIENCE

- I. Democracy is about voting and it's about a majority vote. And it's time that we started exercising the Democratic process."

Make a colourful booklet on **MAJOR POLITICAL PARTIES** and their **SYMBOLS** in India

Rubrics

Content	5
Presentation	5
Design and Colour combination	5
Punctuality	5
Total	20

Geography (Do any one of the two projects)

Project 1

Problem: How soil can be protected from erosion and pollution?
(with a special reference to soil erosion in the state of Sikkim)

- ❖ **Soil is vital to life on Earth** because **plants** can't grow without the water and nutrients it contains, and animals can't survive without plants.
- ❖ Soil forms less than 10% of land. All our **food** needs to grow on this. It is also not renewable, so we need to look after it. **Soil can be damaged by erosion or pollution**. Soil can be looked after by protecting it against these two things.
- ❖ It takes over 500 years for just 2cm of topsoil to form.

Prepare a Chart (in an A4 sheet) showing all the six types of soils we discussed in chapter "Resources and Development"

and also suggest measures to prevent soil erosion and soil pollution you can use video, photography, power point presentation, e-poster, bulletin board such and such to present your works.

Rubrics

Content	5
Presentation	5
Design and Colour combination	5
Punctuality	5
Total	20

Project 2

Problem : **How to protect the endangered species from being extinct?**

(with a special reference to animal(s) protected in Khangchendzonga Biosphere Reserve in Sikkim)

The projects must contain

The problem

The Index

Hypothesis

Tools used

Data collected

Data analysis

Result

Matching the result with your Hypothesis

Conclusion

you can use video, photography, power point presentation, e-poster, bulletin board such and such to present your works.

Rubrics

Content	5
Presentation	5
Design and Colour combination	5
Punctuality	5
Total	20