



DARUL HUDA ISLAMIC SCHOOL, ALAIN

Summer Holiday Assignment 2022-23

Science



Grade 9

### PHYSICS

1. Prepare a research project/ brochure/models/poster/ chart work/ talk show on any one of the following topics.

1. *Physics behind the rides in amusement parks*
2. *Different types of motion in sports. Represent it graphically.*
3. *Sir Issac Newton and his contributions to Science*
4. *Importance of graphs in the study of motion.*

#### Assessment criteria:

Criteria	Marks
Content and Accuracy	2
Creativity and presentation	2
Innovation	1
TOTAL	5

### CHEMISTRY

1. Choose any one of the topics given below and complete your task:
  - a) Art Integrated Project: Compare the water purification methods in Kerala and Himachal Pradesh
  - b) Draw an illustration/cartoon based on physical and chemical changes.
  - c) How can we obtain different gases from air? Prepare a video or model on the separation of gases from air.

Evaluation criteria:

Art integrated project	Cartoon	Video making
Content	Content	Content
Creativity	Labels	Audio and visual quality
Organisation	Graphics	Explanation
Presentation	Attractiveness	Attractiveness

## **BIOLOGY**

1. Compare and contrast the stages of agriculture in the UAE and your mother country. Make a report on it.

Rubrics

Findings	2
Compare & Contrast	2
Submission on time	1



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



SUBJECT: ENGLISH

Grade: IX

In the chapter *The Lost Child*, you have learnt about the child who lost his parents in a festival. The author has described all the festival atmosphere in that chapter. Select any five states from India and prepare a write up about their traditional festival celebration. (Ex: Kerala- Onam, Andra Pradesh- Dasara, Tamil Nādu- Pongal....).

The following points must be highlighted

- Collect the relevant pictures.
- Mention its historical background.
- Highlight the significance of the festival.
- Mode of celebration.

**You can use the following links given for your reference:**

<https://www.intermiles.com/blog/10-most-popular-festivals-in-india>

<https://traveltriangle.com/blog/famous-festivals-of-india/>

<https://entri.app/blog/list-of-indian-festivals/>

Rubrics:

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



**DARUL HUDA ISLAMIC SCHOOL, ALAIN**  
SUMMER HOLIDAY ASSIGNMENT - 2022-23



Grade: 9

MATHEMATICS

Max Marks:10

1. **ART INTEGRATED PROJECT**

Geometrical meaning of  $(a + b)^3$

(Annexure II: 4.1.2.2)

Make a model – **Video presentation**

See the given link

<https://youtu.be/3NwaSij4Vls>

[https://youtu.be/Bh\\_zichuW-k](https://youtu.be/Bh_zichuW-k)

**OR**

**ART INTEGRATED ACTIVITY**

Origin of algebra –Contribution of Arab and Indian mathematicians

Collect the evidence and make a **video presentation** .

**OR**

**Make a poster**

(Annexure II: 4.1.1.9)

**Beauty of line ( SIKKIM)**

**Choose the Indian state SIKKIM and create an artwork related to SIKKIM using lines and angles.**

2. In countries like the USA and Canada ,temperature is measured in Fahrenheit ,whereas in India it is measured in Celsius .Here is a linear equation that converts Fahrenheit to Celsius .  $F = \frac{9}{5} C + 32$

Draw the graph in a linear equation.

Rubrics for Assessment:

Presentation & content : 4 marks

Accuracy & perfection : 2 marks

Creativity & Innovation : 4 marks



# DARUL HUDA ISLAMIC SCHOOL, AL AIN

## SUMMER HOLIDAY ASSIGNMENT-July Aug 2022



### Grade: IX

#### 2. Project work:

Problem: How to solve the problems and losses created by the Glacial Lake Outburst Flood (GLOFs),

The latitudinal divisions of the Himalaya are :- The Himadri, The Himachal and the Shiwalik

Between the Himachal and the Shiwalik there are some beautiful places called Duns. Dehra Dun is such a place and also the capital city of Uttarakhand.

“The longitudinal valleys lying between Himachal and Shiwalik are called the Dun”

The Glacial Lake Outburst Flood (GLOFs), That caused a disaster in Uttarakhand in the month of October 2020.

Study the reasons for these outbursts in detail and suggest your measures to solve the problems and also to reduce the intensity of these disasters.

You can use the methods like

- Virtual surveys,
- opinions of the local inhabitants and
- the reports in the print or visual

Present your suggestions in the form of Photography, Video, PowerPoint presentation, Poster and Collage



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

Rubrics

The projects must contain

- 1.The problem, 2.The Index, 3.The Hypothesis, 4.Tools used, 5.Data collected, 6.Data analysis, 7.Result, 8.Matching the result with your Hypothesis, and 9.Conclusion.