



DARUL HUDA ISLAMIC SCHOOL, ALAIN

Winter Holiday Assignment 2019-20

Science and Technology

Grade 8



Section A – Physics

1. Chart presentation

Prepare a chart of different constellations appeared in the sky.

2. Report

Khalifa sat is the first All-Emirati made satellite. When did it launch? What were the objectives? Prepare a report.

Section B-Chemistry

1. Biodegradable plastics are the latest discovery and are considered as a potential solution to the massive waste problem on the earth today. Find about its method of preparation, properties and disadvantages if any.
2. Make a poster creating awareness about fire and safety measures in the UAE.

Section C- Biology

1. Study the biodiversity of Nilgiri Biosphere Reserve? Prepare a detailed report with pictures of the flora and fauna?
- 2.



Research on the Arabian Oryx-diet, habitat, adaptation to the harsh desert conditions, maximum life span, physical features and cultural importance.

Math

1. The lengths of the two sides of a parallelogram are $3x$ and $5x$. The perimeter is 480 cm. Find the value of x .
2. The four angles of a quadrilateral are in the ratio 4:5:6:9. Find out the measures all the angles.
3. The perimeter of a rhombus is 60cm. If one diagonal is 24 cm , find the length of the other diagonal.
4. Identify the types of quadrilaterals in which the diagonals are the axes of symmetry.
5. Draw a mosque by using different types of quadrilaterals, write the properties of quadrilaterals used.

ENGLISH

1. Listen to any five inspirational speeches by Dr.APJ Abdul Kalam, igniting the young minds. Each speech must be of at least 10 minutes.
Prepare a PPT arranging the speeches well and each speech must be attached with a narrative appreciation on how it has inspired you. Substantiate your write up with relevant quotes from the speech.
2. H.H SHEIKH MOHAMMED BIN RASHID AL MAKTOUM, the Crown Prince of Dubai, is also known as a prolific writer widely appreciated for his impassioned poetry. Collect at least 3 poems by him and prepare an appreciation on your valuable collection.

Social Science

1. Make a comparative study of industrial development in India, USA and Japan.
 - (a) Iron and Steel Industry - India and USA
 - (b) IT Industry - India and USA
 - (c) Cotton Textile Industry - India and Japan.
2. Conduct research on Industrial Development in the UAE since 1971.

RUBRICS:

- Content 3
- Presentation 3
- Creativity/ Research skills 3
- Regularity 1

Moral Education

Interview a minimum of 4 employees who are working in different companies in UAE. The topic of interview is 'Safety of Women at workplace'. Consolidate your findings and prepare a report on it. Please make sure that the interview questions are included in the report.
