

DALY COLLEGE, INDORE
HOLIDAY HOMEWORK CLASS IX CI
APRIL-MAY -JUNE-2023

1. ENGLISH

-Summer reading : Holes by Louis Sachar

-https://www.youtube.com/watch?v=TEHWDA_6e3M

Watch the trailer and write a descriptive paragraph using all the sensory images.

<https://www.youtube.com/watch?v=Gj6V-xZgtlQ>

- Rewrite the narrative as a first person recount from Tony's point of view.
- Create Tony's internal monologue; taking place in the car on the way to Grandpa's house, whilst Dad is talking to Grandpa and then as the mood changes.
- In the film we do not see the alien, in your narrative Tony could meet one of them. Describe the alien, create the dialogue that is had between the alien, Tony and Grandpa.
- Find Dad's old diary in the garage - write a diary entry about one of his adventures with his Dad when he was young.

2. HINDI

दो कविताओं पर कविता पोस्टर तैयार कीजिए।
बताई गई फिल्मों में से किसी एक फिल्म की समीक्षा लिखिए।

पुस्तकों के पढ़ने के महत्व को लेकर अपनी छोटी बहन को मेल लिखिए।

शब्दकोश से नए 20 शब्द अर्थ सहित लिखिए।

3 ECONOMICS

Question 1: Study the source material carefully and then answer Questions

Source material: Agricultural output in Africa

The output of more fertilisers and better irrigation have contributed to higher agricultural output for each unit of land in Africa in recent years. More significant, however, has been the increase in the quantity of land used to grow crops. For example, in 1975 12% of land was used for agriculture. By 2015 this had increased to 25%. In Mauritania, agricultural expansion is particularly high at 7% per year.

Despite the rise in agricultural output, the quantity of high quality food that people would like to consume is not keeping pace with the rise in population in all African countries. Africa's population is set to double by 2050, which will increase even further the demand for food. As incomes increase in Africa, the desire for a range of products is increasing. People in Africa are, for example, wanting more and better housing. Indeed, the desire for housing

usually outstrips the growth in resources devoted to housing. People constantly strive for better living standards. The expansion of the house building industry is encouraging some farm workers to switch to working in the building industry. Changes in the pattern of demand are causing not only agricultural workers, but also other workers to change their occupation and where they work.

Agricultural output can fluctuate quite significantly as it can be influenced by, for example, floods, droughts and heatwaves. The contribution of agricultural output varies between countries. For example, in 2015 agriculture accounted for only 2% of South Africa's output, but 21% of Nigeria's output.

The total output that a country produces is influenced by the size of the labour force. The table shows the size of the labour force and total output for a group of selected African countries.

Country	Labour force (millions)	Total output (US\$ billions)
Ethiopia	49	62
Ghana	12	38
Mali	6	13
Nigeria	58	481
South Africa	21	315

The labour force and total output of five African countries

Referring to the source material in your responses, complete all parts

a Calculate the value of agricultural output in South Africa in 2015.

b Identify two reasons why the productivity of land has increased in Africa.

c Explain the opportunity cost of working on a farm.

d Analyse, using a PPC, the effect on an economy of a flood.

e Explain two examples of the economic problem.

f Analyse the relationship between the size of a country's labour force and its output shown in the table.

g Discuss whether or not skilled workers are likely to be more occupationally and geographically mobile than unskilled workers.

h Discuss whether or not an increase in the output of food will reduce the output of other products.

Question 2:

In late 2016 an Australian firm announced that it would be starting a project to use the power of waves off the coast in Cornwall in the UK to generate electricity. More entrepreneurs are becoming interested in making use of wave power which is a free good. More labour is likely to be employed in the industry. The quantity of labour has increased in recent years.

Referring to the source material in your responses, complete all parts

a Define an entrepreneur.

b Explain the difference between a free good and an economic good.

c Analyse, using a PPC, the effect on an economy of an increase in the supply of labour.

d Discuss whether or not the quantity of labour in the UK is likely to increase in the future.

4. FRENCH

Écrivez 130–140 mots en français.

Récemment, vous avez fêté le Nouvel An.
Écrivez un e-mail à votre ami(e) français(e)
pour lui en parler.

- Comment les gens célèbrent-ils la nouvelle année dans votre pays ?
- Racontez ce que vous avez fait comme préparatifs pour la fête du Nouvel An.
- Il y a eu un petit problème. Expliquez ce qui s'est passé.
- Quel est votre meilleur souvenir de cette fête ?
- Décrivez ce que vous aimeriez faire pour la prochaine fête du Nouvel An.

5. PHYSICS:

https://drive.google.com/file/d/1veGv0tlmnEG-duDWpdbbNBeDFH_Vu48z/view?usp=sharing

6. CHEMISTRY

Explore and read the characteristic of long form of periodic table and complete the worksheets.

<https://drive.google.com/file/d/14cplHTsarSvdkwi5sox3RxbDtTA7kABb/view?usp=sharing>

<https://drive.google.com/file/d/194oz6EFLpeVgbAxYrDBqVj49GwHMAZpU/view?usp=sharing>

7. MATHEMATICS:

https://docs.google.com/document/d/15lRtlkWrHFhEkLGRFizl3ujnyMsmtJ81Fd799F8hB_A/edit?usp=sharing

8. BIOLOGY

To prepare a Powerpoint Presentation on any ONE of the following topics:

1. Enzymes [Definition, nomenclature, mode of action, effect of temperature and ph on the activity of enzymes]
2. Plant Nutrition [Definition, structure of chloroplast, factors affecting photosynthesis and to investigate that light is necessary for photosynthesis]

Images/video clips should be added.
Number of slides should not exceed 15.

9. COMPUTER SCIENCE

Q1. CONVERT THE FOLLOWING DECIMAL NUMBERS TO BINARY NUMBER AND VICE VERSA

1. 41
2. 86
3. 127
4. 255
5. 769

Q2. CONVERT THE FOLLOWING BINARY NUMBERS TO HEXADECIMAL NUMBERS AND VICE VERSA

1. 1111000111
2. 10000111111101
3. 11111110011
4. 11011010
5. 10101010101

10. GEOGRAPHY

https://drive.google.com/file/d/1Wy4YUujOLC8vMYLK4a83NhQiiQJhYx5J/view?usp=share_link

11. ART and DESIGN

(i) Finalize the Title/Topic of your coursework.

(ii) Make 7 individual images (size should be around 5 X 7 inches) based on your topic. The images should be submitted along with the reference photographs (on matte finish photo paper, size should not be bigger than 1.5 X 2 inches) clicked by you. Please remember the 4 AOs while working. Please do experiments with different mediums.