



**Dawood Public School**  
**Secondary Section**  
**Summer Vacation Homework 2021-22**  
**Grade VII promoted to Grade VIII**

**ENGLISH LANGUAGE**

*A Poster is a large notice announcing or advertising something. It generally creates social awareness about any problem or needs. A poster displays a message or an appeal to create awareness. It also conveys a social message in an eye-catching way.*

**Task 1:**

Draft a poster on an A4 size paper, in not more than 60-80 words, on the following topic:

***“How I see the world/The world through my eyes”***

- You can stick/draw figures or pictures for illustration.
- The content should be organized in an appropriate style.
- Use appropriate expressions and correct language.
- The theme should be clear.
- The poster should be very creative and related to the content and theme should not be vague (unclear).

Organization of Homework:

- On a coloured A4 page, draft the poster using the above guidelines. (You can use colours, stickers, and pictures to make it attractive. Your poster should cover the entire front page).
- Using the backside of the same page, write a description of your poster in not more than 60-80 words.

Success Criteria:

- Use four strong adjectives and colour them yellow.
- Use one rhetorical question and colour it green.
- Use 1 complex sentence and colour it pink.
- Use two adverbial phrases of time and colour them blue.

## **ENGLISH LITERATURE**

### **Task 2**

#### **Research work**

The Elizabethan Era and Shakespeare's Female Characters' Representation in his Drama

What your research should include:

- Timeline of Elizabethan era
- Conventions of the Elizabethan Society
- Shakespeare and his works
- Portrayal of women character in Shakespeare's Plays in reference to Macbeth

Note:

- Please write according to your understanding and avoid plagiarism.
- Use an A 4 paper to pen down your report (colored paper is an added preference).
- Printed copy will also be acceptable.
- You can also add images of the Elizabethan Era and Shakespeare's work.

## **MATHS**

Q.1 Define and find given rates

1. Run Rate
2. Human Normal heart beat rate
3. Gold rate in PKR
4. Birth rate in China
5. Literacy rate in Pakistan

Q.2 Complete given table.

<b>Country</b>	<b>Population</b>	<b>Male</b>	<b>Female</b>	<b>Male %</b>	<b>Female %</b>
Pakistan					
India					
America					
China					
Russia					

Q.3 Give five examples of Symmetry in nature and man-made Objects. Also attach their pictures and draw maximum possible lines of Symmetry on it.

Q.4 Complete the given table with two examples of each Solid around you. Also attach a picture of them.

Solid	Examples	Volume	Surface Area
<b>Cube</b>	1. 2.		
<b>Cuboid</b>	1. 2.		
<b>Cylinder</b>	1. 2.		

Q.5 Write down the equations and draw line the lines below

- Gradient of 3 and y-intercept of 6.
- Gradient of 2 and y-intercept of -1.
- Gradient of -4 and y-intercept of 3.
- Gradient of 8 and y-intercept of 4.

## **SCIENCE**

**Complete all the tasks and maintain the file for all the tasks so it will be submitted after the Summer Vacations.**

### **Task 1:**

To study the effect of moisture on the germination of seeds.

1. The students will take the gram seeds. Divide the seeds into three sets A, B and C.
2. Put the seeds of set A on the moist cotton.
3. Soak the seeds of Set B in the water overnight and then put on the moist cotton for seed germination.
4. Put the seeds of Set C in the boiling water for some time then allow it to germinate on the moist cotton.
5. Note the observations.

### **Task 2:**

To study the conditions necessary for the growth of curd bacteria.

1. Under the guidance of your mother or an elder at home make arrangements for the formation of curd.
2. Write your experience in the form of a paragraph.
3. Also research and write the name of bacteria involved in formation of curd.

### **Task 3:**

Biodegradable and Non-biodegradable Materials

Find out biodegradable and non-biodegradable material used in day to day life.

1. Find out different types of waste materials.
2. Find out their physical and chemical properties (Reaction towards water and combustion reaction).
3. Are there any harmful gases coming out after burning of materials (to be done under the guidance of an elder)?
4. Observe.
5. Categorize them into biodegradable and non-biodegradable on the basis of their properties.
6. Think about how you can reduce, reuse, recycle and recover (4R's principle) on biodegradable materials and write about it.

### **Task 4:**

To correlate the shape of the cells with the function they perform.

1. Collect the photographs of the following cells
2. Amoeba, nerve cell, muscle cell, White blood cell, onion peel, sperm.
3. Correlate the shape of the cell with the function they perform.
4. Egg cells are spherical as to store large amounts of nutrients (less surface area and more volume).
5. Complete the table.

S. No	Type of Cell	Shape	Function
1	Amoeba		
2	Nerve cell		
3	Muscle cell		
4	White Blood Cell		
5	Onion peel cell		
6	Root hair cell		

Critically analyze your observations to find the relationship between cell shape and function.

**Task 5:**

To study the movement of water from high concentration to low concentration.

1. Take the cucumber slices.
2. Sprinkle some salt on it.
3. Observe.
4. After a few minutes the water will come out from the slices and they lose their shape.
5. Put these slices in water and they regain their shape.
6. Analyze the reasons for the observations.

**Task 6:**

Pressure.

1. Take a used soft drink glass. Fill it completely with water and keep it on the floor.
2. Make three holes using a pin along the height of the glass, one near bottom, other near top and the third in the middle of the glass.
3. Observe the water coming out of three different holes.
4. Note down your observations.

- Distance of the stream from the base of the glass is indicative of the pressure due to water in the glass.

**Task 7:**

Float or Sink:

Take a few objects such as nails, cork, wood, sponge, thermocol piece and test all the objects by keeping them in the water, for floating/sinking.

- An object floats under the surface of a liquid if the downward gravitational and upward force by the liquid, acting on the body are equal and opposite.
- If the gravitational force is greater than the upward force of the liquid, the object sinks.
- If the upward force of liquid is greater than the downward gravitational force, the object floats above the surface of water.
- For the above said objects taken tabulate your observation as:

Objects	Floats under the surface of water / sinks / floats above the surface of water	Reasons

**Task 8:**

Factors Affecting Frictions

- Take an inclined plane, take two halves of the chart paper.
- Spread some pebbles on one of them and sand on the other (a thin layer).
- Gently release the ball on the inclined plane.

4. Observe the ball rolling down over the spread of pebbles and note the distance moved by the ball.
5. Repeat the experiment with the sand spread on chart paper and then a plain paper.
6. Enter your observation in the table.

Surface	Distance moved by ball
Pebbles	
Sand	
Plain paper	

Conclusion:

The ball moves the smallest distance when the surface offers maximum friction.

**Task 9:**

Sound originates in a vibrating body

1. Take one plastic ruler, hold it firmly on the edge of a desk or table so that about 25 cms extends over the edge.
2. Flick the free end of the ruler with your fingers and listen for any sound it makes.
3. Look closely at the way the ruler is moving.
4. Move the ruler back so that only 15 cms extends over the edge and repeat the procedure.
5. Compare your observations in a table.

Extensions	Observation
15 cm	
25 cm	

**Task 10:**

To prepare a Guitar Box

1. Take an empty shoe box, rubber bands of different thickness, ruler/stick.
2. Make a circular hole of 4 cm radius in the cover of the box.
3. Stretch the rubber bands around the box as shown.
4. Attach the ruler/stick to the back of the box on one end to act as the arm of the guitar.  
To play, pluck the rubber bands one by one.
5. Find out which one produces the sound of lowest pitch?
6. The thickest or thinnest.

## URDU

1- مندرجہ ذیل عنوانات میں سے کسی ایک پر نظم تخلیق کیجیے اور اسے ایک رنگین کمپیوٹر پیپر خوشخط لکھیے۔

1- کاش کبھی ایسا ہو 2- دل میں اکثر خیال آتا ہے

2- درج ذیل نامکمل کہانی کو مکمل کریں۔ کہانی 300-400 الفاظ پر مشتمل ہونی چاہیے۔ مترادفات، مرکب الفاظ اور محاورات کا استعمال ضروری ہے۔

طوفانی رات میں گاڑی کے انجن نے کام کرنا بند کر دیا، اس کے تو اوسان خطا ہو گئے کیوں کہ وہ اکیلا تھا۔۔۔۔۔

3- شیخ سعدی ایک مشہور عالم گزرے ہیں۔ انھوں نے اپنی کتاب بوستانِ سعدی میں حکایات کی شکل میں زندگی کے حقائق اور فلسفے پر اپنے تجربات کا نچوڑ پیش کیا ہے۔ اس کتاب کا مطالعہ کریں، مشکل الفاظ کے معانی جاننے کے لیے لغت کا استعمال کریں اور کتاب میں موجود کسی ایک حکایت پر تبصرہ کریں۔

اگر آپ کے پاس یہ کتاب نہیں ہے تو آپ نیچے دیئے ہوئے لنک کی مدد سے آن لائن پڑھ سکتے ہیں۔

<https://archive.org/details/BostanESadi>

نوٹ: آپ کی یہ کاوش ماہ اگست کے ٹیسٹ میں شامل کی جائے گی۔

یہ ہوم ورک اُن طالبات کے لیے ہے جو جماعت ہفتم میں کامیاب ہو کر جماعت ہشتم میں آئی ہیں۔



تبصره کتب

جماعت هشتم

طالب کا نام \_\_\_\_\_ کتاب کا عنوان \_\_\_\_\_

مصنف \_\_\_\_\_ جماعت: \_\_\_\_\_

موضوع: \_\_\_\_\_

ترتیب

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مرکزی کردار



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## **HOMEWORK FROM DEPARTMENT OF WELL-BEING (DWB)**

### **TRIP TO INNER SELF...**

Yay, it's vacation! Meaning we are free to play and relax... This holiday let's take a trip to our inner self.... A journey to know ourselves more and freely express ourselves. Come on students! It's time to pick up your art brushes, colours, paints and explore our inner world. This summer vacation all of you express yourself through art and show this world the inner colours of your life!

Dawood Public School is organizing an art exhibition in August, therefore, utilizing this vacation to create the best art work. The exhibition encourages creativity and imagination and provides an opportunity for students to have their art project displayed in an exhibition. All students are invited to participate by submitting their artwork. Please follow the below stated pointers:

- The themes to be followed for the art work are:
  1. Draw your present state of mind
  2. Self-love and Mental Health
  3. Mental Health through my eyes
  4. Happiness to me is.
  5. My ideal world
  6. The World around me!
  7. Dreams and Wishes
  8. My Mind matters!
- Students can pick any one theme from the above stated list for their artwork as per their choice.
- Interested Students can submit their art work on the given theme by 4<sup>th</sup> of August to their respective class teachers.
- Those who want to mention their name, class and section, should mention it on a separate paper and attach the paper to your art piece with tape so that it does not affect your artwork.
- Students can use any art medium they want to use for example; acrylic, pastels, sketch, oil paints etc.
- Students can make it on landscape or portrait as per their choice and convenience.
- The size of the art work is stated in the below given chart:

Size: 6x8 inches OR 8x8 inches
Size : 8x10 inches OR 10x10 inches
Size: 10x12 inches OR 12x12 inches
Size : 8x10 inches OR 10x10 inches
Size: 10x12 inches OR 12x12 inches