

ANNIE BESANT SCHOOL

F- Block Shastri Nagar, Meerut

Important things for parents to practice this summer

Dear Parents,

There are certain things that we as parents must try to inculcate in our children. These things are very important in the development of your child. So let's spend this coming vacation in a constructive manner.

1. You must share good stories about your childhood and your family history with your child.
2. Your children must wash their own plates after every meal. They must learn the importance of doing their own work with such activities.
3. Take your children or send them to their Grandparents for at least one week. Take pictures with them.
4. They must accompany you to your workplace in order to understand how hard you work to support their daily needs.
5. All family members must have at least one meal together, if possible more than one meal a day. Teach them not to waste food and the importance of farmers.
6. If possible ask them to help you in daily household work without disturbing their study and playing schedule.
7. Raise a small kitchen garden in your backyard if you have space. Encourage them to plant some seeds. They must water these plants as necessary till they grow.
8. You as a parent must learn 5 new words in English and list them in a notebook. Try to speak small sentences in English with them whenever it is possible.

Regards

Annie Besant School

ANNIE BESANT SCHOOL
F- Block Shastri Nagar, Meerut
Holiday Homework (2018-19) for students
Class- X

All work should be done neatly :-

- Make a card on **Director's Day** which will be submitted in class on 2nd July 2018.

ENGLISH:

- * Activity 1 - What are the qualities of a 'Gentleman' ? Make a web – chart by listing the qualities of a 'gentleman'. (Two Gentleman of Verena)
- * Activity 2 - Our self – image is often based on what others make us believe we are. A poor self – image can do irreparable damage to us. Do you agree with this statement ? Elaborate with suitable reasons and examples.
(The Frog and the Nightingale)
- * Activity 3 - What is the role of Louisa Mebbin in the story 'Mrs. Packletide's Tiger' ?
How could the shrewd manipulator and an expert blackmailer own a beautiful weekend cottage near Darking ?

HINDI:

- एक फाईल तैयार कीजिये जिसमे तुलसी दास का जीवन परिचय दीजिये व उनकी साहित्यिक विशेषताएँ बताइये ।
- रामायण के छः दोहे लिखिए उसे फाईल में लगाए । तथा श्रवण के लिए तैयार करे ।

MATHS:

- Activity 1- To make a file on trigonometric identities.
- Activity 2 – To make a file on real number
- Do 30 question on trigonometric identities from R.S. Agarwal.

SOCIAL SCIENCE :

1. Prepare a Project file on Topics :
(1) Travel & Tourism (Roll no. 1 - 14)

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- (2) Money & Credit (Roll no. 18 - 28)
- Demonetization and its effect on tourism
 - Role of credit in Agriculture
 - Comparative study of Private & Public sector banks
 - Types of money

SCIENCE:

PHYSICS:

- Activity 1 – (i) Take a large shining spoon. Try to view your face in its curved surface.
(ii) Do you get the Image? It is smaller or larger?
(iii) Move the spoon slowly away from your face observe the image. How does it change?
(iv) Reverse the spoon and repeat the activity. How does image look like now? Compare the characteristics of the image on the two surfaces.
- Activity 2 – Make a chart paper on ray diagrams.
For Boys :- All eight cases of mirrors.
For Girls :- All eight cases of lens.
- Answer the following question.
 - Define the structure of human eye.
 - State the laws of refraction and reflection of light.
 - Name the type of mirror used in the following situations :
(1) Solar furnace (2) Headlights of Car (3) Side rear view mirror of vehicle
Support your answer with reason.
 - Describe the new Cartesian sign conventions for spherical mirror and lens.
- Learn all Question Answer on the chapter – Light.

Chemistry:

Assignment – I (for Roll no. 1 to 14)

- Make a chart on various types of Reactions with examples.
- What change will you observe if white silver chloride is placed in sunlight ? Write an equation for the reaction & type of reaction.

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3. What is redox reaction ? Identify the substance oxidized & substance reduced in the following reactions :
(1) $\text{MnO}_2 + 4 \text{HCl} \rightarrow \text{MnCl}_2 + 2 \text{H}_2\text{O} + \text{Cl}_2$
(2) $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$
4. Write Balance Chemical equation to represent the following reaction -
Carbon monoxide react with hydrogen gas at 340 atm to form methyl alcohol.
5. What happens when an iron nail is put inside Copper sulphate solution ? Write reaction with observation.
6. Name two salts that are used for black and white photography. Give reason when they are exposed to sunlight.
7. A substance X, which is an oxide of metal, is used extensively in the cement industry. This element is present in Bores also. On treatment with water, it forms mixture which turns red litmus Blue. Identify X and also write chemical reaction involved.
8. Oxidation & Reduction processes occur simultaneously. Justify the statement.

Assignment – II (for Roll no. 15 to 28)

1. A metal 'a' Nitrate on heating gives a yellowish Brown metal oxide along with a brown gas 'b' and a colourless gas 'c'. aqueous solution of 'a' on reaction with Potassium iodide forms a yellow precipitate of compound 'd'.
Identify a, b, c, d.
2. What is wrong with the equations :
a) $\text{N} + 3 \text{H} \rightarrow \text{NH}_3$
b) $\text{H}_2 + \text{O} \rightarrow \text{H}_2\text{O}_2$
3. Solid Calcium oxide was taken in a container and water was added to it slowly,
i) State any two observations made in the experiment.
ii) Write the name and chemical formula of the product.
4. What happens when limestone is heated strongly ? What type of reaction is this ?
5. In a solution of Copper Sulphate, a strip of metal M was inserted. After sometime, the colour of Copper sulphate solution faded away. Which metal is more reactive and which one is less ? Give equation. Also mention the type of reaction.
6. Name one metal which can displace Zinc from its salt solution and one metal which cannot displace Zinc from its salt solution.
7. Give an example of a reaction which is both an exothermic and combination reaction.
8. Make a chart on various types of reaction with examples.

- Learn all the question and answers & notes given in the class.

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BIOLOGY:

- Do all the question in file.

Q1. Explain the digestion of fats, carbohydrates and proteins in our bodies. Also draw diagram of digestive system.

Q2. Describe the mechanism of breathing in human beings? How lungs are designed in human beings to maximize the area for exchange of gases?

Q3. Differentiate between

- a) Artery, veins and capillary
- b) Aerobic and anaerobic respiration

Q4. Describe double circulation in human beings? Why is it necessary? Explain it with the help of diagram.

Q5. Explain the structures and functions of brain. Also draw diagram.

Q6. What is normal systolic and diastolic pressure of blood in the artery of human beings?

Q7. Name the digestive gland present in the human buccal cavity? Name its secretion.

Q8. Respiration is a process of producing energy by the oxidation of food. Human respiratory system provide oxygen to the blood for further supply to the all cells of the body.

- a) Why some people experience difficulty in breathing?
- b) What steps should be taken to avoid such problem.

PHYSICAL EDUCATION

Yoga File -

Introduction of yoga

History of yoga

Meaning of yoga

Importance of yoga

Elements of Yoga

Eight Elements (i) Yama (ii) Niyama (iii) Asana (iv) Pranayama (v)

Praty Dhara (vi) Dharana (viii) Dhyana (ix) Samadhi

Asana with pictures and method and benefits-

1. Surya namaskar - total 12 pose with pictures
2. Vajra Asana (with picture)
3. Tirkon Asana (with picture)
4. Gomukh Asana (with picture)
5. Tad Asana (with picture)
6. Hal Asana (with picture)
7. Anulom – Vilom (with picture)
8. Bhujang Asana (with picture)

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9. Matsya Asana (with picture)
 10. Dhanur Asana (with picture)
 11. Ardh Mastandra Asana (with Picture)
- Total Asana with Method and Benefits

COMPUTER

- Create Power point Presentation
 - Topics - Online Transaction
 - Internet security

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