

NEW LIGHT EDUCATION CENTRE
AKBARPUR KANPUR DEHAT

HOLIDAY HOMEWORK OF CLASS – 10TH

From principal desk

Dear Parents,

Summer vacation is a welcome break.....from schedule, rules and regulations of the school. Freedom brings more responsibility, so keeping this in mind we have planned an array of activities to keep our children engaged and also help them in channelizing their energies positively.

Happy Holidays" Have fun with your little one."

If there is one particular message this summer, it is this: Take the time to show children how wonderful, unique and special they are. Be there for them. While we would like our children to enjoy their summer break, we thought we would share with you a few activities which could be incorporated in their routine, so that they learn while they play. Do participate and relive your childhood with them.

How independent can I become?

- Make your child more independent by teaching him or her various activities like ✂ Buttoning and unbuttoning the shirt.
- Laying the table.
- Folding mats and clothes.
- Arranging their toy shelf.
- Learning to wear shoes and socks.
- Practice tying your shoes laces.
- Learning how to zip the school bag and uniform.
- Sorting and pairing household items.

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• **Good Manners and Good Habits**

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- Good manners and good habits are lifelong assets and it should be practiced until they become a habit. Revise the four magical words Please, Sorry thank you and excuse me which we have learnt as the basis of good manners.
- Use of magic words like excuse me, sorry, thanks, please.
- When asking for something, say "Please"
- When receiving something say, "Thank you"
- Do not interrupt grown-ups who are speaking with each other unless there is an emergence
- If you need to get somebody's attention right away, the phrase "Excuse me" is the politest way for you to enter the conversation.
- When you have any doubt about doing something, ask permission first.
- When you have spent time at your friend's house remember to thank his or her parents for having you over and for the good time you had. Books are the chief medium of imparting

knowledge and education to the kids. The book at the window to their perfect understanding of different topics.

- To enhance their knowledge and reading skills make your child learn anyone English short story
 - (8-10 lines) and prepare them for the narration of story,
- To make the story more interesting you can make your own puppets with old bottles, cartoons, ribbons buttons etc. Make a video on it.)

English

1. Complete the assignments.

Topic : i. A letter to God

ii. Nelson Mandela ; Long walk to freedom.

2. Make a beautiful chart on topic Determiners.
3. Student will complete 5 exercises from your English grammar book:

Topic: i. Quantifier

ii. Possessive Determiner

iii. Demonstrative Determiner

iv. Interrogative Determiner

4. Write 20 sentences of Simple Present tense and Simple Past tense.

5. Change the tense of the following sentences.

- i. He used to go for a walk every morning. {Past continuous}
- ii. He has been working on the project for a week. {Present perfect}
- iii. I ate my lunch along with my friends. {Simple Future }
- iv. Did your father go to Lucknow last week. {Future Indefinite}
- v. He came late. {Simple present tense}

विषय- हिंदी ग्रीष्मकालीन गृह कार्य कक्षा- 10

1- हिंदी गद्य खंड में पाठ 1 से पाठ -4 तक पढ़कर सारांश समझते हुए प्रश्न उत्तर याद करके लिखेंगे।

2. हिंदी काव्य खंड में पाठ 1 से पाठ -4 तक पढ़कर भावार्थ समझकर प्रश्न उत्तर लिखकर याद करेंगे।

3. कृतिका में पाठ 1 से पाठ-2 तक पढ़कर प्रश्नोत्तर लिखेंगे ।

4- नारी शिक्षा , अनुशासन का महत्व , बड़े- बुजुर्गों से सीखे गए संस्कार , मानव जीवन में वन वृक्षों का महत्व आदि विषयों पर अनुच्छेद लिखेंगे ।

5- अपनी पाठ्य पुस्तक के किसी एक लेखक और किसी एक कवि का जीवन चरित्र , रचनाएं, और शिक्षा में योगदान फाइल के पृष्ठ पर लिखकर अपनी हिंदी की प्रोजेक्ट फाइल में लगाइए ।

6. "कहानी मनोरंजन का सुगम साधन है" विषय पर लेख लिखिए।

7. "आपकी प्रिय कहानी" लिखकर उसका चित्र बनाएं।

Maths

1. Solve the following sums in Maths R.S. Aggarwal notebook.

- i. If $\cot A = 15/8$ Then evaluate $(1 + \sin A)(1 - \sin A) / (1 + \cos A)(1 - \cos A)$.
- ii. Solve : $(\sec A + \tan A)(1 - \sin A)$

- iii. If $\tan(A+B) = \sqrt{3}$ and $\tan(A-B) = 1/\sqrt{3}$; $0 < A+B < 90$, $A > B$ then find the value of A and B .
- iv. Find the value of x if ; $2 \operatorname{cosec}^2 30 + x \sin^2 60 - 3/4 \tan^2 30 = 10$
- v. If $1 + \sin^2 A = 3 \sin A \cdot \cos A$, then prove that $\tan A = 1$ or $1/2$
- vi. If $\sec A - \tan A = m$, then find the value of $\sec A + \tan A$
- vii. Solve ; $2\sqrt{2} \cos 45 \cdot \sin 30 + 2\sqrt{3} \cos 30$ verify that; $\sin(A+B) = \sin A \cdot \cos B + \cos A \cdot \sin B$
- viii. If $A = 60$ and $B = 30$, Verify that ; $\sin(A+B) = \sin A \cdot \cos B + \cos A \cdot \sin B$
- ix. Prove that $\tan A / (1 - \cot A) + \cot A / (1 - \tan A) = 1 + \sec A \cdot \operatorname{cosec} A$
- x. A pole 6m high is fixed on the top of the a tower . The angle of elivation of the top of pole observed, from a point P on the ground is 60° and the angle of depression of the point P from the top of the tower is 45° find the hight of the tower and distance of the point P from the foot of the tower. (Use $\sqrt{3} = 1.73$)

NOTE : make a chart on the trignomatery formula done in class

Physics

1. Write all the formulae and sign convention used in the chepter light reflection refraction .
2. Learn and prepare the tables of image formation by spherical mirrors and lenses.
3. Solve all NCERT examples, exercise question and numericals of chepter light reflection and refraction.
4. Write the name of any five daily life events governed by the reflection and refraction of light .

Chemistry

Projects for your board exam-

1. Effect of acid rain on lime stone rock .
2. The determination of the amount of phosphate in a detergent.
3. Chemistry in black and white photography .
4. Amount of casein in milk .
5. Rate of evaporation of different liguid .

Biology

Human Digestiv system project Model.

Materials Required-

1. Cardboard box (shoebox size).
2. Construction paper (various colours).
3. Scissors.
4. Glue.

5. Modelling day (Optional).
6. Beads or Buttons (Optional).
7. Clear tubing Labels or Markers.

Model Work -

- Design and build the digestive system organs
- Use cardboard or construction and prepare the different cutouts of the main digestive system organs.
- Label each organ with its name and a brief description of each organ.
- Enhance your model according to your creativity and add some informative visuals. you can also include small diagrams or pictures depicting the role of digestive enzymes.
- Make the model attractive and interactive as per your creativity.

Social

* Read and write 20 news related to history and Economics from newspaper.

* Prepare a project file on any one topic given below-

i) Consumer Awareness

ii) Social Issues

iii) Sustainable Development

It must be of at least 20 pages .

* Colour and name countries of world war I and world war II on blank political map of world and paste it on your history notebook.

Note- Use two world maps separately.

IT

* Prepare a project file on Internet security and importance of workplace safety.

* Learn basic shortcut keys to perform general operations

Note -Make a card for your father and give it to him, on Father's Day.

Happy Holidays!!!!!!