RUKMINI DEVI PUBLIC SCHOOL
The School with a difference
Under the aegis of Seth Pokhar Mal Educational Society

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Holidays Home Work (Session 2022-23) (Pg 1 to 4)

Class –IX

Name: - _____   RollNo._____

Dear students,
Greetings!!!

"Longer days and shorter nights Dark shades & brighter lights Favourite music & best friends Keep away pencils keep away Pens. Make these days the time of your life And make the nights just as right This time only comes once a year So live it up without inhibition and fear. This summer break try and make a difference".

Appreciate Nature - Go for long walks in a park or garden with your family and friends.
Good manners are the key - Respect your parents, grandparents and all elders. Use three magical words (Sorry, Please and Thank you).
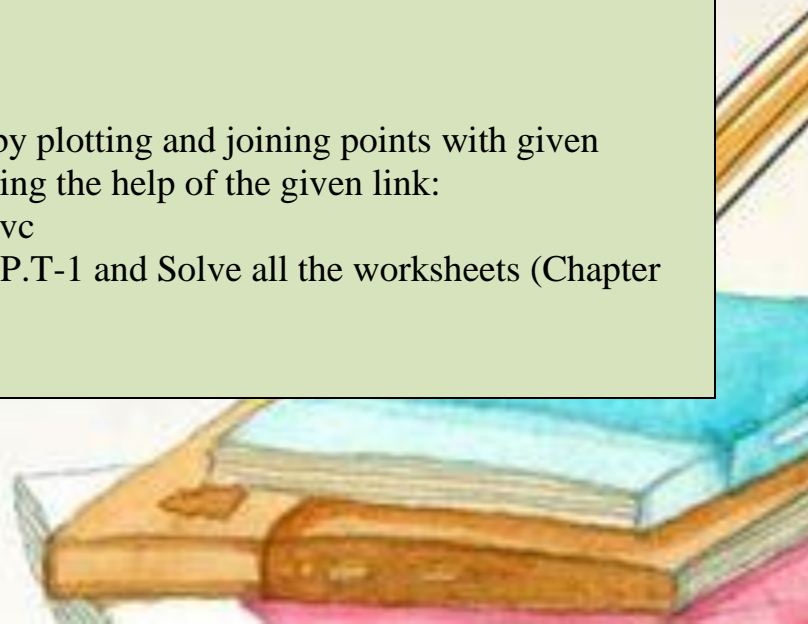**Stay Fit, Stay Healthy** - Play your favourite game / sport regularly.
Save Nature – Contribute to save our precious environment. Minimize the wastage of resources like water, fuel and electricity.

 Must do:-
- ✓ Read every day newspaper.
- ✓ Revise the previous (done) work.

Subjects	Tasks/Activities

English	**1.** Write a self-composed poem on elements of nature. You can take any component like rain, trees, flora and fauna, etc.
	   Depict the poem in an artistic manner. You can draw a scene related to it or make a collage using pictures from newspapers or magazines.
	   (This work is to be done on an A-3 size sheet)
	
	2. Design your own newspaper. Give it an attractive name. The newspaper should have four sections-
	A. Facts and figures of English language
	B. Creative Corner: Any self-composed poetry/ short story, etc.
	C. Quotes by famous poets with their names
	D. Games and puzzles- based on tenses, Verbs, Prepositions or Conjunctions, etc. (Pick any one part of speech) .You can include games like crosswords, riddles, snakes and ladders, etc. (Use white-coloured cartridge/ pastel sheets for this activity. They can then be folded to form a newspaper.)
	
	Note: Revise complete syllabus for P.T-1 and Solve all the worksheets in your Practice Notebook (Chapter wise).

Maths	• Make a project on history of Number π (pie). • Make a bar graph project on any IPL Cricket Match, of any one inning's power play overs. Show the runs scored in every over on a bar graph. • Make a ppt. on "Math around Us" OR • Make a poster on "Math around Us" (in case there is no access to internet) • Make 3D Models of the following shapes by using cardboard: Cone, Sphere and Hemisphere • Fact sheet on the topic: 'Heron's formula' • Evolution of the theory • Mathematicians involved • Related formulas • Applications • Real life applications • To find a picture of Minion by plotting and joining points with given coordinates in a plane by taking the help of the given link: https://youtu.be/T1TjwaC4Tvc Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapter wise).

Social Science	• Make a project file on Disaster Management. • Make a Scrapbook on the French Revolution. Only hand written projects will be entertained. Data, facts, can be used. Flowchar , Images and case studies can also be used, to make them more attractive. It is important for students to write cases related to the above topic with pictures. Minimum pages- 10. Quality content and research work should be equally emphasized by the students. Marking will be done on the basis of the same. Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapter wise).
Science	### PHYSICS • Design an experiment to find the speed of your favorite object and make a data table between distance and time. Use the gradient of distance – time graph to find the correlation between distance and time. Also hence comment on its speed at 5 different intervals of time. • MAKE EXTRA 10 QUESTIONS AND ANSWERS FROM the chapter-8 Motion. WRITE IN H.W NOTEBOOK. • A body covered a distance of z metre along a semi-circular path. Calculate the magnitude of displacement of the body, and the ratio of distance to displacement? • A train is travelling at a speed of 60 km/ h. Brakes are applied so as to produce a uniform acceleration of -0.5 m /s2. Find how far the train will go before it is brought to rest • A particle is pushed along a horizontal surface in such a way that it starts with a velocity of 12m/s. Its velocity decreases at a uniform rate of 0.5m/s2. (a) Find the time it will take to come to rest. (b) Find the distance covered by it before coming to rest? ### CHEMISTRY • We all know that there are 3 fundamental states of matter i.e. solid, liquid and gas. But do you know there is also a fourth state of matter known as Plasma. Find out who discovered it and its properties. Write about it on a A3 size coloured sheet and also paste some related pictures. • Revise Chapter 2 : Is matter around us pure? ### BIOLOGY • Read DIKSHA Comic Book 'Cell – A – Maze' and prepare 2 – 3 page comic strip on Cell Organelles. https://diksha.gov.in/cbse/play/collection/do_31321952129966899212937?contentType=TextBook

	• Revise Chapter 5 : The fundamental unit of life. • Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapter wise).
Hindi	• कक्षा में दी गई (1-5)कार्य पत्रिकाओं के प्रश्नों के उत्तर लिखिए और याद कीजिए । • पुनरावृति हेतु व्याकरण की सभी कार्य पत्रिकाओं को हल कीजिए । • **गतिविधि 1**: अपनी पाठ्य पुस्तक 'स्पर्श ',पूरक पुस्तक 'संचयन 'के TERM-1 में आए प्रत्येक पाठ से 10/10 अनुस्वार, अनुनासिक, उपसर्ग, प्रत्यय छाँट कर पाठ के नाम सहित उत्तर पुस्तिका में लिखिए । • **गतिविधि 2**: गर्मी की छुट्टियों के अनुभव को बताते हुए अपने मित्र को पत्र लिखिए । PT-1 परीक्षा हेतु समस्त PT-1 पाठ्यक्रम और कार्यपत्रिका दोहराएँ ।

Hope you have a great time while enjoying your Summer Break.