



DELHI PUBLIC SCHOOL DWARKA

SUMMER HOLIDAY HOMEWORK 2015-2016

CLASS : X

ENGLISH

1. Write an autobiography of the person you like the most, whom you consider to be your role model, narrating inspiring or interesting anecdotes of their life in your English note book in about 10 pages. The title of your autobiography should be 'The Story of my Life'.
2. Make a Project File on 'Inclusive Education' about differently abled children using pictures, real life stories etc. in about five to six pages.

MATHEMATICS

- Make a power point presentation (minimum 8 – 10 slides) on the following topics according to the allotted groups:
 1. Contribution of Maths in the field of Art & Architecture (Group 1 & 5)
 2. Contribution of Maths in the field of Science (Group 2 & 6)
 3. Contribution of Maths in the field of Marketing & Business (Group 3 & 7)
 4. Contribution of Maths in the Indian Civilization (Group 4 & 8)

Submit the hard copy as well as the soft copy of the project to the subject teacher.

GENERAL SCIENCE

Project

- The Project should comprise of at least 10-12 pages.
- It should be supported by pictures.
- It should have a Bibliography.
- It should be handwritten/typed.

PHYSICS

- Write short note on any three sources of energy out of the following. Give its advantages and disadvantages:-
 - i) Fossil fuels
 - ii) Hydro power
 - iii) Thermal power
 - iv) Biomass
 - v) Wind energy
 - vi) Solar energy
 - vii) Tidal energy
 - viii) Wave energy
 - ix) Ocean thermal energy
 - x) Geothermal energy
 - xi) Nuclear energy

CHEMISTRY

Worksheet – 1

Paste the Worksheets in A4 size papers & also write answers (handwritten/typed) in A4 size papers. Put them in a folder.

- Ragini got a fact sheet about carbon atom which has stormed her mind with many questions. Few of the questions are listed below. Can you help her with the answers?
 1. What is the electronic configuration of carbon?
 2. Carbon is tetravalent in nature. What does it mean?
 3. What is the valency of carbon in ethane?
 4. Carbon neither gives electron nor takes electron, then how does it complete its octet and what is the type of bond formed?
 5. What is a hydrocarbon?

6. What is the difference between alkanes and alkenes?
7. When carbon is burnt, carbon dioxide is formed. Name the products formed when hydrocarbons are burnt.
8. What is a functional group?
9. Why does carbon form many compounds? (Give two reasons)

Worksheet – 2

Instruction: A part of the Modern Periodic Table with elements represented by the letter of English alphabet (not the elements symbols) is given below. Observe that carefully and answer the questions that follow:

Groups →	1	2	13	14	15	16	17	18
Periods ↓								
I	A							
II	B		H	J			L	N
III	C	F	I	K			M	O
IV	D	G						P
V	E							

1. What are the elements of group 1 called?
2. Select the letter which represents the most reactive metal.
3. What is the name given to group 17 elements?
4. Select the element which represents the most reactive non-metal.
5. Which element is most likely to be a metalloid?
6. What is the name given to group 18 element?
7. Select the element which form monovalent ions.
8. Where would you place an element 'X' with a configuration 2, 8, 6 in the given table?
9. What is the similarity in the electronic configuration of elements A and C in the given table?
10. How many valence electrons are present in the element K?

BIOLOGY

- Project on 'Water Harvesting in different regions of the country'

Guidelines for Biology Project

1. The project should be made on A-4 size Pastel sheets.
2. It should consist of 10-12 pages.
3. It should be supported with coloured pictures, preferably post card size.
4. Contents should include:-
 - Introduction
 - Need (Why it is required?)
 - Structural & Functional description
 - Advantages
 - Places where adopted
5. Bibliography / source from where material has been taken.
6. Project should be made in groups of 2 as allotted in class.

SOCIAL SCIENCE

GUIDELINES FOR PREPARATION AND SUBMISSION OF PROJECT REPORT

- Following essentials are required to be fulfilled for preparation and submission of project report:
 1. The total length of the project report will be 15– 20 pages if typed and more number of pages in case of handwritten.
 2. The project report can be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials.
 3. Complete project can be submitted in handwritten or typed format in spiral or standard binding of A4 Size. (Not in bio file type of project).
 4. The project report should be developed in following sequence:
 - Cover page showing project title, student information, school and year
 - List of contents
 - Acknowledgements and preface (acknowledging the institution; offices and libraries visited and persons who have helped)
 - Introduction
 - Chapters with suitable headings
 - Planning and activities to be done during the project, if any
 - Conclusions (summary and suggestions or findings, future scope of study)
 - Bibliography
 - All the photographs and sketches should be labelled and related to the theme
 - Appendix (if needed)
 - Teacher's report
 - Teachers will initial preface page
 - At the completion of the evaluation of the project, it will be punched in the centre so that the report cannot be reused but is available for reference only.
 - The project report will be sent to CBSE after evaluation.

Note: Project – 15 marks

Allocation of marks

S.No.	Aspects	Marks
1	Submission Time	2
2	Initiative and presentation	2
3	Content accuracy and research work	6
4	Creativity, Originality	2
5	Analysis of different situations and different perspectives	2
6	Viva for content assimilation	1
	Total marks for one project	15

(This page to be downloaded and attached separately in the project in the last, remove this statement before appending in your project)

DELHI PUBLIC SCHOOL
SEC-3, PH-1, DWARKA,
NEW DELHI

PROJECT EVALUATION PROFORMA

Student's Name _____

Class _____

Section _____

Roll No. _____

Teacher's Remarks

1. Date of submission _____

2. Total marks _____

3. Overall remarks _____

4. Teacher's signature _____

Topics / Themes for project work covering the contents given in each topic / themes:

(Do ANY ONE of the following):

1. Survival skills
 - a) Search and rescue teams and its objectives
 - b) Composition of rescue team
 - c) Duties of rescuer
 - d) Planning
 - e) Precaution to be undertaken while rescuing
 - f) Do's and Don'ts for search and rescue team operations
2. Tsunami
 - a) Meaning
 - b) Fact and physics of Tsunami
 - c) Symptoms of Tsunami
 - d) Mitigation measures (What to do During – After Tsunami)
3. Earthquake
 - a) Meaning
 - b) Fact and physics of Earthquake
 - c) Symptoms of Earthquake
 - d) Mitigation measures (What to do During – After Earthquake)
 - e) Nepal Earthquake 2015 – a brief report
4. Safe construction practices
Construction practices and types of building in
 - a) Earthquake region
 - b) Landslide region
 - c) Flood region
 - d) Cyclone prone region

5. Alternative communication systems during disaster
 - a) Radio communication
 - b) Satellite based
6. Role of local and state bodies in sharing responsibility
 - a) National level
 - UN DM team
 - National Service Scheme
 - b) State level
 - Indian Armed force
 - Nehru Yuva Kendras
 - c) District level
 - National Cadet Corps
 - Home Guards
 - Civil Defence

Note: Students are advised to go through CBSE's Disaster Management book for class 10th for insight about the topics. CBSE's Disaster Management book for class 10th is freely available on CBSE's website.

ELEMENT OF BUSINESS

Make a Power Point Presentation on the topic "Stock Exchange". (Not more than 10 slides)

COMPUTER SCIENCE / IT

Design a website and paste printouts of input and output of the following web page in scrap file: (choose one topic).

Topics are:

1. Environment issues in India
2. Global Warming
3. Energy Conservation
4. Pollution
5. Societal impact of IT
6. Latest Technology

Requirements:

- At least 5 web pages are required
- Each page contain different background colour
- Each page must have appropriate topic
- Home page must contain background image and heading of maximum size
- Style tags to be used as per the requirement
- Web page contain list tags – OL/UL/DL

हिंदी

- मच्छरों की रोकथाम व बीमारियों से बचाव पर एक विज्ञापन तैयार करें। (ए-3 शीट)
- नेत्र परीक्षण शिविर के आयोजन पर स्वास्थ्य संगठन सचिव की ओर से विद्यालय के लिए सूचना तैयार करें। (ए-4 शीट)

संस्कृत

संस्कृत के किसी कवि पर एक प्रोजेक्ट बनाइए।

FRENCH

Faites une présentation (PPT) <<J'aime la France>> utilisez l'internet pour avoir information et images sur les monuments, le théâtre, la bonne cuisine, le vin, le fromage, la haute couture, les Bateaux-mouches etc.

GERMAN

(To be done in F.C.)

FA2 (a)

1. Paste a picture of your favourite person (mother/father/friend/sibling) and describe the person in 10 sentences.
2. Was denkst du über Mode?

RUSSIAN

1. Choose any ONE famous and your favourite Writer or Poet.
 - Write about the Writer/Poet
 - His / Her works
 - Write any ONE of his / her works which you like.
 - Stick pictures and make a Project file.

OR

2. Make an Album on all the Cases. Give suitable examples of Noun and Adjective endings, done so far.

JAPANESE

- Watch two Japanese Movies and write the story in your own words in Japanese. To be done in your Japanese Practice Note book.

SPANISH

- Stick a screen shot of the MS Word document on a A-3 size chart paper and draw a similar document with the translated menus and toolbars into Spanish. It should be a exact replica of the original screen shot but translated into Spanish.

DELHI PUBLIC SCHOOL DWARKA
SUMMER HOLIDAY HOMEWORK 2015-2016
CLASS : IX

ENGLISH

1. Read the novel 'Three Men in a Boat'.
2. Write the summary of the novel.
3. Write the character sketches of the central characters in the novel.

Note:- To be done in Fair note books

MATHEMATICS

- Prepare a power point presentation (minimum 8 – 10 slides) on the following topics according to the allotted groups.
 1. Fibonacci Numbers (Group 1 and 5)
 2. Arithmetic and Geometric Progression (Group 2 and 6)
 3. Exponential Series (Group 3 and 7)
 4. Sierpinski Numbers (Group 4 and 8)

Submit the hard copy and soft copy to the subject teacher.

GENERAL SCIENCE

Project

- The Project should comprise of at least 10-12 pages.
- It should be supported by pictures.
- It should have a Bibliography.
- It should be handwritten/typed.

PHYSICS

- How can Physics help you in playing Basket Ball or Badminton in a better way. Explain in detail the phenomena used. Support your answer with suitable data/pictures.

CHEMISTRY

Investigatory Project – (To be done in Scrap File)

Find out the time required for intermixing of colour tablets in water according to the given table and then answer the questions.

Temperature of Water	Time required for intermixing (seconds/minutes)
1. Room temperature	
2. Warm water (Approx. 40 ⁰ C)	
3. In fridge for an hour	
4. In freezer for 10 minutes	
5. In freezer for 20 minutes	

1. Name and define the phenomenon involved in this activity.

2. How was this phenomenon discovered?
3. What do you infer from this experiment?

BIOLOGY

- Project on 'Water Shed Management'

Guidelines for Biology Project

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Note: Project – 15 marks

Allocation of marks

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DELHI PUBLIC SCHOOL
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PROJECT EVALUATION PROFORMA

Student's Name _____

Class _____

Section _____

Roll No. _____

Teacher's Remarks

1. Date of submission _____

2. Total marks _____

3. Overall remarks _____

4. Teacher's signature _____

Topics / Themes for project work covering the contents given in each topic / themes:

(Do ANY ONE of the following):

1. Prepare a disaster management contingency plan for your school. The plan should be based on an actual survey of your school. The plan prepared should consist of the following maps.
 - a. Social Map
 - b. Resources Map
 - c. Vulnerability Map
 - d. Safe place and evacuation route chart of the school.

2. Prepare a project on Kedarnath mountain flood covering the following headings:
 - a. Types of flood.
 - b. Types of flood control measures.

- c. Flood forecasting and warning system in India.
 - d. Flood prone areas in India and beneficial effects of flooding.
 - e. Mitigation strategies.
3. Prepare a project on cyclone covering the following headings:
 - a. General characteristics of tropical cyclone.
 - b. Cyclone season and its effects.
 - c. Predictability of tropical cyclones and use of warning systems.
 - d. Special features of a cyclone resistant building (Engineered structure).
 - e. A Case study of recent cyclone in India.
 4. Prepare a project explaining the role of various means of telecommunication (wireless) used by government departments to disseminate information at various levels during disasters.

Note: Students are advised to go through CBSE's Disaster Management book for class 9th for insight about the topics.

COMPUTER SCIENCE / IT

1. Gather information on the latest technology available for all the Computer Components & other electronic gadgets. Take printouts & arrange them in a file. Decorate the file appropriately.
2. Also gather information on various mobile phone applications (apps) for safety & security, health, fitness, shopping, cuisines etc. Arrange the information in the same file.

हिंदी

- पशु संहार/अत्याचार रोकथाम के लिए चित्रों के योगदान से प्रोजेक्ट फाइल तैयार करें।
- पशु-प्रेम पर आधारित स्वरचित कविता लिखें।
(दोनों कार्य एक ही स्क्रीप फाइल पर करें)

संस्कृत

स्वस्थ्यवृत्तम् पर एक प्रोजेक्ट बनाइए।

FRENCH

Choisissez un monument touristique / historique de la France et écrivez un article de cent mots sur ce monument. Ajoutez des photos.

GERMAN

(To be done in F.C.)

FA2 (a)

Answer the following questions:-

1. Was möchten Sie werden und warum?
2. Was hast du im Sommerferien gemacht?
(Answer using Perfect form)

JAPANESE

1. Prepare the Kanji list for N5. (JLPT EXAM)

2. Prepare the Vocabulary list for N5 (JLPT EXAM)
3. Listening Skills – Listen to Conversations related to N5

SPANISH

- Identify a place in Spain or Latin America based on popularity among tourists. Mention its history, culture, food, the reasons due to which it is popular. At the end, write a catchy slogan as a part of tourist promotion campaign. All this work should be done in a file. Paste pictures wherever necessary. The target language should be Spanish.

DELHI PUBLIC SCHOOL DWARKA
HOLIDAY HOME WORK [2015 – 2016]

Class VIII

ENGLISH

1. Suggested Reading List:

- a) Jules Verne - Around the World in Eighty Days
- b) Jack London - White Fang / Call of the Wild
- c) Rupa Publications - Stories by Ruskin Bond
- d) Charles Dickens - A Christmas Carol
- e) H. G. Wells - The Time Machine
- f) R. K. Narayan - Malgudi Days

2. The New Grammar Tree

- a) Chapter 25 (Punctuation) – Read pages 140 and 141. Write out the correct answers for exercises 1 to 8 on pages 142 and 143.
- b) Chapter 27 (Synonyms and Antonyms) – Read the lesson carefully. Write down all the synonyms listed on pages 148 & 149. Solve exercises A, B & C (page 149-150)
- c) Chapter 28 (Idioms and Phrases) – Read the lesson carefully. Write down the verb idioms and their meanings on page 155, the idioms (with meanings) on pages 157, 158, 159 and 160.

Note : All work to be done in a notebook titled 'Holidays Homework – English'. Kindly submit handwritten work, printed matter shall not be accepted.

HINDI

- मनपसंद कहानियाँ पढ़िए व उन पर आधारित 20 सुलेख लिखिए।
- सचित्र दस सूक्तियाँ लिखिए व पोस्टर बनाइए।

MATHS

Working in allotted groups, make a powerpoint presentation of minimum 10 slides on the topic given to you. Also submit a write up of 2-3 pages about the presentation.

Allocation of topics

- Group 1 & 8 - Tessellations
- Group 2 & 7 - Real Nos.
- Group 3 - Congruence and Similarity
- Group 4 - Solid Shapes
- Group 5 - Polygons
- Group 6 - Rational & Irrational Numbers

PHYSICS (Roll No. 31 onwards)

- 1. In summers you hear of incidents of tyres of the vehicles bursting. Why does this happen? Visit a Petrol Pump, find out about
 - a) Right amount of air to be filled in the tyres of different vehicles in summer and winter
 - b) Method / Instrument used to measure the air pressure in tyres.

2. In the wake of recent earthquake, compile a report using newspaper clippings, summarizing the general causes of earthquake, its after effects and preparedness to minimize the damage caused due to it.

CHEMISTRY (Roll No. 16 – 30)

Oil spills are a major source of pollution of sea water. Collect information about oil spills on the basis of the points given below and present it neatly on A4 size pages stapled in a file. Surf the net to collect pictures related to the topic:

1. Causes of spillage of oil in oceans.
2. Worst three accidents of oil spillage in the world.
3. Environmental damage cause to marine life and water.
4. Ways to deal with pollution caused due to oil spillage.

BIOLOGY (Roll No. 1 – 15)

- VIII A and VIII B - 7 (seven) flash cards of size A4 on endangered plants or animals mentioning name of plant or animal and area where found.
- VIII C and VIII D - 7 (seven) flash cards of size A4 on agricultural implements used mentioning their name and agricultural practices for which used.
- VIII E and VIII F - Collage on A3 size pastel sheet on flora and fauna of **any one** of the following
- Pachmarhi Biosphere Reserve
 - Silent Valley

SOCIAL STUDIES

DISASTER MANAGEMENT

Prepare a pictorial medical dictionary using medical terms for Disaster management. Following essentials are required to be fulfilled for preparation and submission of dictionary:

1. Dictionary should be of A4 size.
2. Total number of pages in the dictionary will be 15 – 20 pages.
3. The dictionary should be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials.
4. Topic should contain natural and man-made disasters.
5. Size of a picture should be 2” x 2”

Allocation of marks

S. No.	Aspects	Marks
1	Submission Time	3
2	Initiative and presentation	3
3	Content accuracy	6
4	Creativity, Originality	3
	Total marks for dictionary	15

Note: Students are advised to go through CBSE’s Disaster Management book for class 8th.

SANSKRIT

आधुनिक संस्कृत पर एक कोलॉज बनाइए।

FRENCH

Choisissez une personnalité célèbre (acteur / actrice, chanteur / chanteuse) et écrivez un article de cent mots sur lui / elle. Ajoutez des photos.

GERMAN

1. Schreiben Sie den Dialog: Bei der Ärztin. Was sagen Sie? Was sagen die Ärztin?
2. Monika kann leider nicht zu Bernds Geburtstagsparty kommen. Es tut ihr sehr leid, aber..... Schreiben Sie eine E-mail.

JAPANESE

Write dialogues in Japanese for the following situations. (To be done in Japanese Note Book)

1. Doctor – Patient
2. Friends inviting for watching a movie and then having dinner at a restaurant.

Using pictures (minimum 10 lines)

RUSSIAN

Choose ANY ONE Russian fairy tale. Make a Scrap Book. Translate the story and stick pictures.

SPANISH

1. Paste 2-3 pictures of your favourite sports person or a film personality and describe him or her using both physical as well as positive and negative attributes.
2. Make a report in form of a powerpoint presentation on any one of the national disasters in Spain.

COMPUTER SCIENCE

Make a website for your class which should include the following:

1. It must show the timetable (use <table> tag), subject teachers (lists), activities, images etc.
2. A hyperlink to a form which a user will fill to be a member of 'Swatcch Bharat' programme.
3. Another link showing different activities to be undertaken under 'Swatcch Bharat' programme.
4. Take printouts of all the web pages along with their coding and make a file. Decorate the file appropriately.

DELHI PUBLIC SCHOOL DWARKA
HOLIDAY HOME WORK [2015 – 2016]

Class VII

ENGLISH

- Choose the suitable option that describes the meaning of the Idioms or Phrases printed in italics in each of the following sentences:
 1. Vinay *had a chequered career* since I met him as a student.
 - a) had a variety of jobs and experiences
 - b) had a career which helped him make lots of money
 - c) had a career where he signed a lot of cheques
 - d) did odd jobs
 2. Everybody is worked about his *bread and butter* these days.
 - a) promotional avenue
 - b) comfortable living
 - c) money making
 - d) means of livelihood
 3. Sachin prefers to have few friends *who are as true as steel* rather than have fifty acquaintances who refuses to recognize him when he needs them most.
 - a) who are loyal
 - b) who always speak the truth
 - c) who are always with him
 - d) who are influential
 4. He frequently *goes back on his words*.
 - a) repeats his words
 - b) confuses others
 - c) stumbles
 - d) breaks his promises
 5. The old man is *hard of hearing*.
 - a) felt bad hearing the news
 - b) somewhat deaf
 - c) does not pay any attention
 - d) unmindful
 6. For your safety and the safety of others, always *pay attention to* the traffic signals.
 - a) overlook
 - b) take head of
 - c) glance at
 - d) repair
 7. I trusted him and he *played me false*.
 - a) played with me
 - b) took it lightly
 - c) treated me improperly
 - d) deceived me
 8. *Lifting the shoulders* is a gesture that indicates lack of interest.
 - a) napping
 - b) yawning
 - c) shrugging
 - d) blinking
 9. I did not mind what he was saying, he was only *talking through his hat*.
 - a) talking insultingly
 - b) talking irresponsibly
 - c) talking ignorantly
 - d) talking nonsense
 10. Napoleon *won his laurels* in the battle of Waterloo.
 - a) acquired distinction
 - b) defeated the enemies
 - c) adopted aggressive attitude
 - d) surrendered to his opponents
 11. The poet *drew on his fancy* not his knowledge of nature, when he wrote his poem on birds.
 - a) used his understanding
 - b) used his knowledge
 - c) used his imagination
 - d) used his skill

12. Sumit had to look *high and low* before he could find his scooter key.
 a) nowhere
 b) always
 c) everywhere
 d) somewhere
13. The two women are so jealous that *at the drop of a hat* they start insulting each other.
 a) when hat falls
 b) when anyone drops a hat
 c) for no reason at all
 d) on every occasion
14. It was not clear what he was *hinting at*.
 a) criticizing
 b) conducting
 c) hitting hard
 d) suggesting
15. My neighbour had to *pay through his nose* for a brand new car.
 a) pay huge loans
 b) pay a reasonable price
 c) pay an extremely high price
 d) make a quick buck
16. The expression *to be born with a silver spoon in one's mouth* means:
 a) to be born in a rich family
 b) to be born in a jeweller's family
 c) to be born as the first child
 d) to be spoonfed
17. The boy *turned a deaf ear* to the pleadings of all his well-wishers.
 a) listened carefully
 b) was deadly opposed
 c) posed indifference
 d) ambitious
18. Rajesh and Vikas have remained friends *through thick and thin*.
 a) in spite of all difficulties
 b) always
 c) through days of struggle
 d) through happy days
19. He is *out and out* a reactionary.
 a) no more
 b) thoroughly
 c) in favour of
 d) deadly against
20. Please *look over* the application.
 a) extreme
 b) reject
 c) find out
 d) store
21. It is his feeling that we are not *cut out* for a marketing job.
 a) suitable
 b) unwilling
 c) reluctant
 d) ambitious

- Refer to the following chapters of The Grammar Tree and attempt the exercises on page numbers 14, 15, 16, 18, 20, 23, 24, 25 in a **Scrap Book**.

- Ch 2 – Nouns
- Ch 3 – Pronouns
- Ch 4 - Adjectives

- Suggested Reading List:

Books	Authors
a) The Diary of a Young Girl	- Anne Frank
b) Malgudi Days	- R. K. Narayan
c) To Sir With Love	- E. R. Braithwaite
d) Wings of Fire	- Dr. APJ Abdul Kalam

HINDI

- मनपसंद कहानियाँ पढ़िए व उन पर आधारित 20 सुलेख लिखिए।
- पढ़ी गई कहानियों के चरित्रों पर आधारित फोल्डर बनाइए।

MATHS

Working in allotted groups, make a powerpoint presentation of minimum 10 slides on the topic given to you. Also submit a write up of 2-3 pages about the presentation.

Allocation of topics

1. Group 1 and 4 - Magic Squares
 - a) Steps to create magic square of order 3 and 4
 - b) Benjamin Franklin's magic square
 - c) Ramanujan's Magic Square
2. Group 2 and 5 - History of numbers
 - a) Arabic numbers
 - b) Babylonian numbers
 - c) Chinese numbers
 - d) Indian numbers
 - e) Roman numbers etc.
3. Group 3 and 6 - Mathematics in Nature
 - a) in music
 - b) architecture
 - c) Its correlation with different Sciences – engineering, medical sciences etc.
4. Group 7 and 8 - Vedic Mathematics

PHYSICS (Roll No. 16 – 30)

1. Collect pictures of activities in which you can see heat being transferred from one body to another. Make a collage on an A3 size pastel sheet depicting different methods of heat transfer.
2. Explore the internet and find out information about Laser or Mirages. Prepare a short report (2 – 3 pages) on this. Also illustrate the report with diagrams or pictures.

Chemistry (Roll No. 31 onwards)

To be done in scrap file

1. Define mixtures. Are they pure or impure substances?
2. How are mixtures different from compounds?
3. Can you tell the components present in following mixtures:
Air, Soda water, Lemonade, Milk shake, Orange juice, Tea
4. Prepare different types of mixtures using following materials: Salt, Sugar, Vinegar, Milk, Sand, Water, Lemon juice, Nail polish remover, Soap solution, Aerated drinks

(You can use more than one substance for mixing)
Observe them carefully and note down your observations as follows:

For example

Mixture	Components	Colour	Filtration (Yes / no)	Visibility of separate components (Yes / no)
Salt solution	Salt + water	Transparent	No	No

5. Also identify solute and solvent present in them:

Note: Solute The component of the solution which is present in smaller amount is called solute.
Solvent The component of the solution which is present in larger amount is called solvent.

For example

Mixture	Solute	Solvent
Salt solution	Common salt	water

BIOLOGY (Roll No. 1 – 15)

You must have observed white cotton growth on feather articles and on stale bread in humid weather and greenish blue patches on rotting fruits. Identify the organism responsible for the given phenomenon and explain its mode of nutrition on A3 size chart paper. (Preserve the bread sample)

OR

Make a collection of various forest products (Page 208 and 209 of NCERT) in small plastic bottles mounted on A3 size cardboard. (Minimum 7 products)

SOCIAL STUDIES

TRIP AROUND THE WORLD

Identify any six Wildlife Sanctuaries (one from each continent). Now collect information about them in the Scrap Book regarding:

1. Extent and location
2. Climate of that area
3. Vegetation (type)
4. Animals found
5. Unique characteristic / species of animals, birds or insects found in that sanctuary

SANSKRIT

प्रदूषण पर एक ज्ञानवर्धक कोलॉज बनाइए।

FRENCH

Choisissez une ville importante française. Indiquez cette ville sur la carte de la France. Faites un dossier d'information sur la ville (monuments, industries, culture etc.)

GERMAN

1. Machen Sie ein Fernsehprogramm. Schreiben Sie:
 - Was gibt es um Uhr?
 - Wann beginnen die Sendungen?
 - Wie heißen die Sendungen?
2. Was machen Sie nach der Schule? Schreiben Sie Ihren Wochenplan.

JAPANESE

1. Write twenty Hiragana words with combination sounds
2. Write ten words with long sounds in Hiragana

RUSSIAN

Make a Vocabulary Booklet using the dictionary in alphabetical order.

OR

Make a booklet on verbs done so far. Write their meanings, conjugation and past tense.

SPANISH

Make a scrap book on important festivals of Spain. Paste pictures of the festivals and write down their traditions under each one of the festival. The festival should be listed monthwise.

COMPUTER SCIENCE

Practically perform and paste printout of the following programs in your computer notebook:

1. Accept the marks of five subjects (Eng, Hindi, Maths, G.Sc., S.St.) out of 100 from the user. Calculate the total marks and percentage. (Hint: percentage = total marks / 5)
2. Accept any three angles and check if the sum of three angles forms a triangle or not.
3. Accept a number and find out if the number is divisible by 3. (Use MOD)
4. Assume that you are at the ticket counter of a cinema hall. You accept the age and name of two people. If the age > 16 or = 16 then ticket costs ₹ 50 otherwise it costs ₹ 25. Calculate the total amount payable by the group.
5. Print the multiples of 2 from 30 to 10 using for loop.
6. Print the product of all even numbers between 2 and 64 using do while loop and do until loop.

DELHI PUBLIC SCHOOL DWARKA
HOLIDAY HOME WORK [2015 – 2016]

Class VI

ENGLISH

1. Read Ruskin Bond's famous book 'Rusty'.
 - a) Write a short summary of the story in 75 words and name the main characters.
 - b) Choose the interesting adjectives from the book and find their dictionary meanings.
 - c) Make interesting sentences using those 10 words and present your work creatively in file / folder
2. Practice your grammar skills throughout the holidays. Complete the exercises of 'The New Grammar Tree' book given on the following pages: Page 7, 8, 9, 10, 67, 68, 69 (to be done in the book)
3. Suggested Reading List:
 - a) Charles Dickens - Oliver Twist
 - b) Michael Morpurgo - The Butterfly Lion
 - c) Enid Blyton - The Value of Adventures
 - d) R. K. Narayan - Malgudi Days

HINDI

- मनपसंद कहानियाँ पढ़िए व उन पर आधारित 20 सुलेख लिखिए।
- कहानियों के पात्रों के चित्र बनाइए व चित्रों में रंग भरकर टेबल मैट के आकार की शीट पर चिपकाइए तथा लेमिनेट करवाइए।

MATHS

Working in allotted groups, make a powerpoint presentation of minimum 10 slides on the topic given to you. Also submit a write up of 2-3 pages about the presentation.

Allocation of topics

Group 1 and 4	-	Contribution of Indian Mathematicians to Maths
Group 2 and 5	-	Symmetry in Nature
Group 3 and 6	-	Historical background of numbers (0 to 9)
Group 7 and 8	-	Integers

PHYSICS (Roll No. 1 – 22)

Make a research report of the following experiment in the given format:

1. Aim
2. Materials Used
3. Principle Used
4. Procedure
5. Observations
6. Result

Research question:

1. Will they mix with each other or make separate layer? What will be the order of the liquids (water, oil, honey) in the container?
2. To test whether the following materials float or sink in these liquids by observing at what level they settle down (corn, bean, small plastic toy, small cork, paper clip, small screw, kernel of cereal)

Procedure:

1. Gather the necessary materials.
2. Pour some water in the glass. Then slowly pour some oil, followed by honey. Observe the pattern.
3. Gently drop each object into the glass and observe. Record the results.
4. Analyze your data and draw a conclusion.

BIOLOGY (Roll No. 23 – last)

Make five food puppets each, either as finger puppets or stick puppets on any one component of food E.g. carbohydrates, proteins, fats etc. Each Food puppets will carry the name of a nutrient and pictures of its sources.

OR

Make Wall hangings / Wind chimes on components of food. It should contain all the information about sources and functions of that nutrient.

SOCIAL SCIENCE

Prepare a jigsaw puzzle of any size of India.
Use hard paper board for the puzzle as base.
Name of states and capitals need to be mentioned.

Allocation of marks

S. No.	Aspects	Marks
1	Submission Time	3
2	Presentation	5
3	Creativity	5
4	Labelling	2
	Total marks	15

SANSKRIT

प्रकृति प्रेम पर एक आकर्षक कोलॉज बनाइए।

FRENCH

Dans un petit carnet (diary), préparez un dictionnaire français – anglais avec les mots du manuel :
Apprenons le français II vous pouvez dessiner les images des mots.

GERMAN

❖ Ergänzen Sie den Steckbrief

Foto

Name :
Vorname :
Alter :
Wohnort :
Adresse :
Telefon :
E-Mail :
Geschwister :

❖ Sie machen ein Interview mit einem Reporter der Münchner Abendzeitung. Schreiben Sie den Dialog.

JAPANESE

Make a picture dictionary on the vocabulary done so far from UME text book.

OR

Make a picture – cut out of one of your favourite animation character on an A4 size sheet and write why you like it.

SPANISH

1. Draw a map of Spain on A3 size chart paper and label its important provinces and capitals. Write them down under the map.
2. Paste pictures of different furniture or objects in your copy and write down their names under each one of them.

RUSSIAN

Make a Project File on any one of the following topics

- Festivals of Russia
- Cuisine of Russia
- Souvenirs of Russia

OR

Make a file on Genders. List as many nouns under each category of genders:

- Masculine gender
- Feminine gender
- Neutral gender

COMPUTER SCIENCE

Collect information on various operating systems used in phones like ios, Android, Windows etc. Compile that information in the form of a chart.