

### List of Experiments :-

1. To separate healthy seeds from unhealthy seeds.
2. To see the effect of manures and fertilisers on the growth of seedlings.
3. To study different zones of a candle flame and their temperature.
4. To study : a) Binary fission in Amoeba,  
b) Budding in yeast and Hydra with the help of permanent slides.
5. To prove that pressure exerted by a liquid increases with its depth.
6. To study that force of friction depends on the nature of two surfaces in contact.
7. To show that sound cannot travel in vacuum.
8. To study the flow of electric current through various liquid samples.
9. To study the process electroplating.
10. To show that like charges repel and unlike charges attract each other.

## Nav Gian Deep Public School Syllabus Class- 8th Session-2024-25

### English

#### April-May Periodic Test - I :-

Prose : Chapter-1, The Best  
(Honey Dew) Christmas Present in the world.

Poem (Egla-16) : The Boy who never lied, The land of story Books.

Poem (Honey Dew) : The Ant and the cricket.

Grammar : Noun Phrases, Noun clauses.

Practice Work Book : Page-unit 1 (Pg 4 to 32)

Supplementary Reader : Blow the camel got his hump.

Writing skill : Paragraph writing, Formal letters

Activity : Discuss and debate-war is absolutely evil and should be learned forever.

Listening and speaking skill :-  
Listening of comprehension based on stories of natural calamity.

**July & August** Periodic Test - II :-

Prose : Chapter-2, The Tsunami.  
(Honey Dew)

Poem (Egla-16) : Topsy Turvy.  
The land of story Books.

Poem (Honey Dew) : Geography lesson.

Grammar : Pronouns, Determiners.

Practice Work Book : Unit 2 (Pg 33 to 57).

Supplementary Reader : Children at work.

Writing skill : Notice writing.

Activity : Make a little Booklet with pictures of famous freedom fighters and their slogans.

Listening and speaking skill :-  
Play and act the role of farmers who have grievances against British government.

**September & October** Half Yearly Examination : -

Prose : Chapter-5, The summit within  
(Honey Dew) Chapter-6 This is Jody's Faron

Poem (Egla-16) : The land of story Books.  
The shadow and The village

Poem (Honey Dew) Macavity : The Mystery cat.

Grammar : Adjectives, Verbs, Tenses.

**December & January** Chapter-5 : Conservation of Plants and Animals  
Chapter-9 : Friction.  
Chapter-10 : Sound  
Chapter-12 : Some Natural Phenomena.

**Term - I** PT - 1 : Chapter- 1 Crop production and Management. (From NCERT Book)  
(From Lead Book, Pg no- 5 to 13).

PT - 2 : Chapter- 6 Reproduction in Animals.  
(From NCERT Book).  
(From Lead Book Pg 39 to 52).

SA - 1 Examination : Chapter- 2, 3, 6, 8, 11.

**Term - II** PT - 3 : Chapter- 7 Reacting the Age of Adolescence..

PT - 4 : Chapter- 9 Friction.  
(From NCERT Book).  
(From Lead Book Pg 89 to 95).

SA - 2 Examination :-

Ch- 4 : Combustion and Flame.

Ch- 5 : Conservation of Plants and Animals.  
(From NCERT Book)  
(From Lead Book Pg 21 to 24).

Ch- 10 : Sound.  
(From NCERT Book).  
(From Lead Book Pg 96 to 103).

Ch- 12 : Some Natural Phenomena.

Ch- 13 : Light.

**December & January** Direct and Inverse Proportions  
Factorisation  
Introduction to Graphs

PT - 4 : Mensuration  
Factorisation.

Final Exam :-  
Cubes and Cube roots.  
Algebraic Expressions.  
Mensuration  
Direct and Inverse Proportions  
Introduction to Graphs  
Factorisation

Supplementary Book :-  
April - May : Pg 5 to 16.  
: Pg 49 to 66.

July - August : Pg 23 to 41.  
: Pg 75 to 91.

October - November : Pg 42 to 46.

December - January : Pg 93 to 103.

## Science

**April-May** Chapter-1 : Crop Production and Management  
Chapter-2 : Micro organisms : Friend and Foe.  
Chapter-3 : Coal and Petroleum.

**July & August** Chapter- 6 : Reproduction in Animals.  
Chapter- 8 : Force and Pressure.  
Chapter-11 : Chemical Effects of Electric currents.

**October & November** Chapter- 4 : Combustion and Flame.  
Chapter- 7 : Reading the Age of Adolescence.  
Chapter-13 : Light.

Practice Work Book : Unit 3 (Pg 58 to 85).

Supplementary Reader : The Treasure within

Writing skill : Article writing, Notice writing,  
Informal letters.

Activity : Write a paragraph describing a visit  
to the hills.

Listening and speaking skill :-  
Group discussion on the climber on top of a  
summit.

**November &** Periodic Test - III :-

**December** Prose : Ch-7, A visit to Cambridge.  
(Honey Dew) Ch-8, A short Monsoon Diary

Poem (Egla-16) : Two little kittens.  
A Good play and The Moon.

Poem (Honey Dew) : The last Bargain.

Grammar : Adverbs, Preposition, writing skill-  
Formal letters.

Practice Work Book : Unit 4 (Pg 86 to 94).

Supplementary Reader : The cornet - 1.

Writing skill : Notice writing.

Activity : Write poems of William Wordsworth  
in collage form.

Listening and speaking skill :-  
Write and speak about superstitious beliefs.

**December** Periodic Test - IV :-

Prose : Chapter-9, The Great stone  
(Honey Dew) Face - 1.  
Prose : How do Aeroplanes Fly.  
The Builder of a Nation.

Poem (Egla-16) : The Moon.

Poem (Honey Dew) : The School Boy.

Grammar : Tenses, Active to passive voice,  
Reported speech.

Practice Work Book : Unit 4 (Pg 95 to 111).

Supplementary Reader : Princess September.

Writing skill : Notice writing, Paragraph writing.

Activity : Pictionary.

Listening and speaking skill :-  
Narrate and Story.

**January** Final Examination :-

**&**

**February**

Prose : Chapter-10, The Great stone  
(Honey Dew) Face - II.

Poem : Power of one.

Poem (Egla-16) : The Ocean warrior.

Poem (Honey Dew) : When I set for Iyounesse

Grammar : Direct Indirect speech, synthesis  
and Transformation, Active to  
Passive voice, Tenses (Revision).

**January**  
**&**  
**February**

Supplementary Reader : Jalebies, Ancient  
Education.

Writing skill : Essay writing, Story writing.

Activity : Presentation.

Listening and speaking activities :-  
Use interview skills for a specific purpose.

**Maths**

**April-May**

Rational Numbers.  
Linear Equations.  
Understanding Quadrilaterals.

PT - 1 : Rational Numbers and Linear  
Equations

**July**  
**&**  
**August**

Data Handling.  
Squares and square Roots.  
Comparing Quantities.  
Exponents and Powers.

PT - 2 : Data Handling and Comparing  
Quantities.

**September**  
**SA - 1**

SA - 1 :-  
Linear Equations.  
Exponents and Powers.  
Data Handling.  
Comparing Quantities.  
Squares and square Roots.

**October**  
**&**  
**November**

Cubes and Cube Roots.  
Algebraic Expressions and Identities  
Mensuration.

PT - 3 : Cubes and Cube Roots, Algebraic  
Expressions and Identities.

मई	गतिविधियाँ – डाकिया, इंटरनेट के वर्ल्ड वाइड वेब के विषय में अपनी कल्पना से एक लेख तैयार कीजिए।
जुलाई	पाठ-7 : कबीर की साखियाँ पाठ-8 : सुदामा चरित पाठ-9 : जहाँ पहिया है  व्याकरण – पाठ- 8 : अनेक शब्दों के लिए एक शब्द – पाठ- 9 : विलोम शब्द – पाठ-10 : समरूप शब्द – पाठ-11 : समूहवाची शब्द सहायक पुस्तक पृष्ठ संख्या – 4  गतिविधियाँ – मित्रता संबंधी दोहों का संकलन कीजिए।
अगस्त	पाठ-10 : अकबरी लोटा पाठ-11 : सूरदास के पद  व्याकरण – पाठ- 9 : विलोम शब्द – पाठ-12 : उपसर्ग और प्रत्यय – पाठ-13 : समास – पाठ-32 : विज्ञापन लेखन – पाठ-33 : संवाद लेखन – पाठ-34 : पत्र-लेखन  गतिविधियाँ – अपने घर या कक्षा की किसी पुरानी चीज़ के बारे में ऐसी ही कोई मजेदार कहानी बनाइए।
अक्टूबर	पाठ-12 : पानी की कहानी पाठ-13 : बाज और साँप  व्याकरण – पाठ-14 : संज्ञा – पाठ-15 : लिंग – पाठ-16 : वचन – पाठ-17 : कारक – पाठ-28 : अलंकार
नवम्बर	व्याकरण – पाठ-18 : सर्वनाम – पाठ-19 : विशेषण – पाठ-20 : क्रिया – पाठ-21 : काल – पाठ-29 : मुहावरे और लोकोक्तियाँ – पाठ-30 : अपठित बोध

## Social studies

### April- May

History :-

Chapter- 1 : How when & where

Chapter- 2 : From trade to Territory; The company Establishes Power.

Civics :-

Chapter- 1 : The Indian constitution.

Chapter- 2 : Understanding secularism.

Geography :-

Chapter- 1 : Resources.

Activities : i) Map Practice.

ii) Cut some pictures of natural resources from newspaper or magazines. Paste it in your scrap book & write a few lines about it.

Lead Book :-

Natural resources (SB 1 to SB 7), The East India company arrives (SB 1 to SB 14), Fundamentals of governance (SB 1 to SB 9), "Self study for student under the guidance of a teachers".

### July & August

History :-

Chapter- 3 : Ruling the countryside.

Chapter- 4 : Tribal, Dikes & the vision of a golden age.

Civics :-

Chapter- 3 : Parliament & The making of laws

Chapter- 4 : The Judiciary.

Geography :-

Chapter-2 : Land, soil, water, Natural vegetation and wildlife Resources.

Activities : i) Map Practice.  
ii) Debate Independence of Judiciary.

Lead Book - Natural Resources (SB 8 to SB 15), The East India company arrives (SB 15 to SB 24) Fundamental rights (SB 10 to SB 14), (SB 22 to SB 26).

Activity : iii) Collect a handful of different types of soil and observe. How are they different ?  
iv) Discuss : If you were a number of Parliament (MP), list two question that you would like to ask.

**October  
&  
November**

History :-  
Chapter- 5 : When people Rebel 1857 and after.

Civics :-  
Chapter- 5 : Understanding Masginalisation.  
Chapter- 6 : Confronting Masginalisation.

Geography :-  
Chapter- 3 : Agriculture.

Activity : i) Collect seeds of wheat, rice, fowar, bayra, ragi, maize, oilseeds and pulses available in the market Bring them to the class and find out in which types of soil they grow.

Lead Book : Life under colonial rule (SB 1 to SB 10), Fundamentals of governance (SB 15 to SB 21).

**December** Chapter- 10 : Internet services.

Activity : Disscus the advantages and disadvantages of Internet.

Chapter- 11 : Computer Virus.

Activity : List the name of computer virus.

**February** Revision and Exams.

SA - I : Chapter- 1, 2, 3, 4 and 5.  
Unit - 1 and 2.

SA - II : Chapter- 6, 7, 8, 9, 10 and 11.

हिन्दी (पाठ्यक्रम)

अप्रैल

पाठ-1 : लाख की चूड़ियाँ  
पाठ-2 : बस की यात्रा  
पाठ-3 : दीवानों की हस्ती

व्याकरण – पाठ- 1 : भाषा, लिपि, और व्याकरण  
– पाठ- 2 : वर्ण विचार  
– पाठ- 3 : संधि  
– पाठ- 4 : शब्द- विचार

गतिविधियाँ – मशीनी युग में अनेक परिवर्तन आए हैं आप अपने आस-पास से इस प्रकार के किसी परिवर्तन का उदाहरण चुनिए और उसके बारे में लिखिए।  
– सहायक पुस्तक पृष्ठ संख्या – 50

मई

पाठ-4 : भगवान के डाकिए  
पाठ-5 : क्या निराश हुआ जाए  
यह सबसे कठिन समय नहीं

व्याकरण – पाठ- 5 : पर्यायवाची शब्द  
– पाठ- 6 : एकार्थक शब्द  
– पाठ- 7 : अनेकार्थक शब्द  
– पाठ- 8 : अनेक शब्दों के लिए एक शब्द  
सहायक पुस्तक पृष्ठ संख्या – 76

**July**

Chapter- 3 : Table in Ms-Access.

Activity : Create a database in Ms-Access.

Chapter- 4 : Features in Ms-Access.

Activity : Create the database named student.

- i) Prepare a query to display all records and name should be in ascending order.

**August**

Chapter- 5 : Queries & Reports in Access.

Activity : Create the forms and reports by using Ms-Access.

Unit - 2 : Fun with Apps (coding & computational skills).

Activity : Create a table for an address database that includes fields, Name, Address, Age and Phone Number.

**October**

Chapter- 6 : HTML.

Activity : Create a website in HTML.

Chapter- 7 : Starting with visual Basic.

Activity : Discuss the tools used in Visual basic.

**November**

Chapter- 8 : Photoshop.

Activity : Draw the tools used in Photoshop.

Chapter- 9 : Flash

Activity : Draw the tools used in Flash.

- Activity : ii) Discuss : In your own city or village, who would you think are the marginalised group ?
- iii) Group discussion : why do you think the dalit families were afraid of angering the powerful cases ?

**December**

History :-

Chapter- 6 : Civilising the 'Native, Educating the Nation.

Chapter- 7 : Woman caste and Reform.

Civics :-

Chapter- 7 : Public facilities.

Geography :-

Chapter- 8 : Industries.

- Activities : i) Find out the inputs, outputs and processes involved in the manufacture of leather shoes.

Lead Book : Life under colonial rule (SB 17 to SB 23), Natural Resources (SB 16 to SB 22).

- Activities : ii) Map Practices : Important steel industries of India.
- iii) Collect different types of pieces of cloth and write about raw material used.

**January**

History :-

Chapter- 8 : The Making of the National Movement 1870 - 1947.

Geography :-

Chapter- 5 : Human resources.

## January

- Activity : i) Discuss- The characteristics of society with too many under 15's  
ii) Map practice in the world map mark the name of countries producing following crops- wheat, cotton, jute, coffee, pulses.  
iii) Collect different types of seeds from market and paste it on your notebook.

PT - 1: History : Ch- 1  
Civics : Ch- 1  
Geography : Ch- 1

PT - 2: History : Ch- 2  
Civics : Ch- 2  
Geography : Ch- 2

PT - 3: History : Ch- 5  
Civics : Ch- 5  
Geography : Ch- 3

PT - 4: History : Ch- 6  
Civics : Ch- 6  
Geography : Ch- 4

SA - 1: History : Ch- 3, 4  
Civics : Ch- 3, 4  
Geography : Ch- 2

SA- 2: History : Ch- 7, 8  
Civics : Ch- 6, 7  
Geography : Ch- 5

## MAP BOOK :-

Geography : Glossary (from page 8 to 35).  
: Worksheet- I (from pg 38 to 62).  
: Worksheet- II (from page

History : Glossary (from page 74 to 85).  
: Worksheet- 3 (from pg 88 to 97).  
: Worksheet- 4.

“Self study for the student under the guidance of a teacher”.

(These worksheet will help children to under concept through exercises and activities and help them develop a better understanding about our even changing world).

## Computer

### April

Chapter- 1 : Computer Fundamental

Activity : Visit to the computer lab open Ms-Word make a list of generations of computer.

### May

Chapter- 2 : Computer Memory.

Activity : Make a chart on memory unit on Ms- Word.

Unit - 1 : Learning through Apps (coding & computational skills).

Activity : Design an app using lists, variables conditionals and operators.



नवम्बर गतिविधियाँ – मुहावरों व लोकोक्तियाँ की एक छोटी डायरी तैयार करेंगे।

दिसंबर व्याकरण – पाठ-22 : अव्यय  
– पाठ-23 : पद-परिचय  
– पाठ-24 : वाक्य  
– पाठ-25 : वाक्य-संशोधन  
– पाठ-26 : पदबंध  
– पाठ-27 : विराम चिह्न

जनवरी व्याकरण – पाठ-31 : मौखिक अभिव्यक्ति  
– पाठ-36 : निबंध लेखन

आवधिक परीक्षण प्रथम : पाठ-1, 2, 3

आवधिक परीक्षण द्वितीय : पाठ-7, 8, 9

आवधिक परीक्षण तृतीय : पाठ-12, 13, 14, संज्ञा

आवधिक परीक्षण चतुर्थ :

व्याकरण – पाठ-18, 19, 20,  
पाठ-13 बाज और सांप

संकलित परीक्षण प्रथम : पाठ-1, 2, 3, 4, 5, 6

व्याकरण – पाठ-1, 2, 3, 4, 5, 6, 7, 8,  
21, 22, 28, 30, 32, 33

संकलित परीक्षण द्वितीय : पाठ-11, 12, 13, 14 (वसंत)

व्याकरण – पाठ-9, 10, 11, 12, 26, 35, 36,  
– पाठ-11, 10, 6, 5

नवम्बर गतिविधियाँ – मुहावरों व लोकोक्तियाँ की एक छोटी डायरी तैयार करेंगे।

दिसंबर व्याकरण – पाठ-22 : अव्यय  
– पाठ-23 : पद-परिचय  
– पाठ-24 : वाक्य  
– पाठ-25 : वाक्य-संशोधन  
– पाठ-26 : पदबंध  
– पाठ-27 : विराम चिह्न

जनवरी व्याकरण – पाठ-31 : मौखिक अभिव्यक्ति  
– पाठ-36 : निबंध लेखन

आवधिक परीक्षण प्रथम : पाठ-1, 2, 3

आवधिक परीक्षण द्वितीय : पाठ-7, 8, 9

आवधिक परीक्षण तृतीय : पाठ-12, 13, 14, संज्ञा

आवधिक परीक्षण चतुर्थ :

व्याकरण – पाठ-18, 19, 20,  
पाठ-13 बाज और सांप

संकलित परीक्षण प्रथम : पाठ-1, 2, 3, 4, 5, 6

व्याकरण – पाठ-1, 2, 3, 4, 5, 6, 7, 8,  
21, 22, 28, 30, 32, 33

संकलित परीक्षण द्वितीय : पाठ-11, 12, 13, 14 (वसंत)

व्याकरण – पाठ-9, 10, 11, 12, 26, 35, 36,  
– पाठ-11, 10, 6, 5