

# Guru Gobind Singh Public School

SPLIT UP OF SYLLABUS [SESSION 2023-2024]

**Class : VIII**

**Subject: English**

Prescribed Books: (1) New Pathways (8)

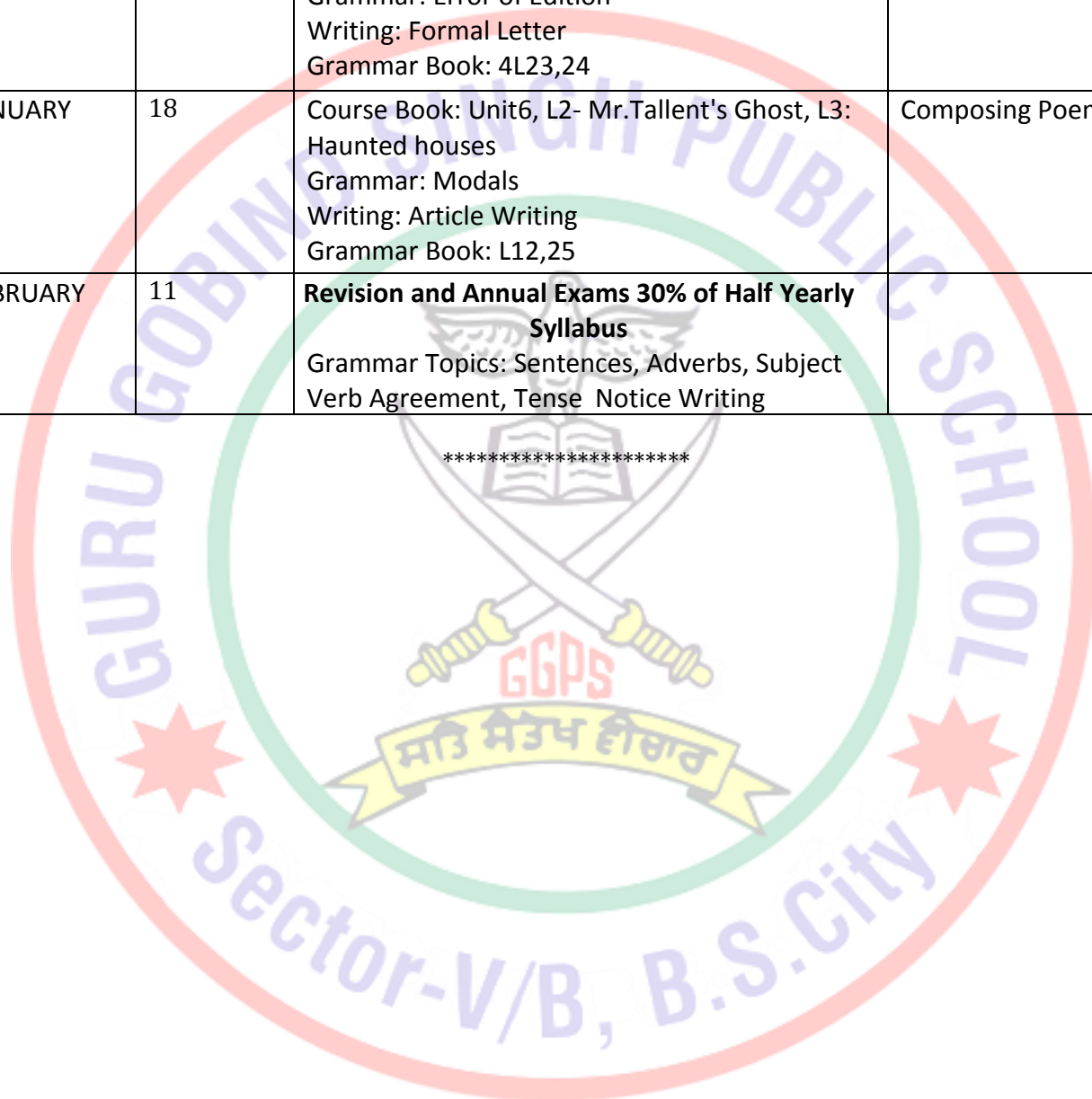
(2) New Learner's Grammar and Composition (8)

Publisher: Oxford University press

MONTH	NO. OF WORKING DAYS	CHAPTERS / TOPIC TO BE COVERED	ACTIVITY
APRIL	17	Course Book – Unit 1: Human Bonds L-1: My Big Brother, L2: A Most Important Person Grammar – Sentences, Prepositions Writing – Notice Writing Grammar Book – L1,2,15,17	
MAY	10	Course Book – Unit 1 L3 – Somebody's Mother Unit 2 - Nurturing nature L1- A Day in the Country Grammar: Determiners, Adverbs Writing: Diary Entry Grammar Book: L3,4,5,129	Write a poem related to Nature
JUNE	09	Course Book – Unit 2, L-2 – Elephants Raid the Kitchen Grammar – Tenses Writing – Story Writing Grammar Book – Lesson 7,8,9	Prepare a comparative study chart of culture and tradition of Jharkhand and Telangana.
JULY	20	Course Book – Unit 2, L3 – I Think I Could Turn and Live with Animals Unit 3 : Conflict and Hope L1 – Pocahontas Grammar: Tenses (to be continued), Conjunctions Writing: Story Writing(contd), Informal Letter Grammar Book: 10,14,23	ASL ( Speaking and listening skills)
AUGUST	21	Course Book – Unit 3, L2 – Can we change this? L3 – Refugee Blues Grammar: Subject Verb Agreement, Active and Passive Voice Writing: Informal Letter (to be continued) Grammar Book: L11,13,18	Poster making on road safety.
SEPTEMBER	09	Revision and Half Yearly Exams	
OCTOBER	17	Course Book – Unit 4: Unlikely Destinations L-1 Emperors on Ice L-2 Journey to the centre of the Earth. Grammar: Verbs Writing: Descriptive Paragraphs Grammar Book : L6,16	To prepare a beautiful diary.

NOVEMBER	14	Course book – Unit 4, Lesson 3 Imagination Unit5: Man and Machine L-1 The Diamond Maker Grammar: Reported Speech Writing: Poster Making Grammar Book : L-20,21,22	Write about two famous personalities of Jharkhand and Telangana who are well known globally.
DECEMBER	15	Course Book: Unit 5, L2- Feathered Friend, L3- The Choice, Unit6, Lesson-1 The Red Headed League Grammar: Error of Edition Writing: Formal Letter Grammar Book: 4L23,24	Draft an Invitation card for birthday party
JANUARY	18	Course Book: Unit6, L2- Mr.Tallent's Ghost, L3: Haunted houses Grammar: Modals Writing: Article Writing Grammar Book: L12,25	Composing Poem
FEBRUARY	11	<b>Revision and Annual Exams 30% of Half Yearly Syllabus</b> Grammar Topics: Sentences, Adverbs, Subject Verb Agreement, Tense Notice Writing	

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STD. –VIII

Subject:-Hindi  
Syllabus Session 2023-2024

BOOKS PRESCRIBED :-

1:- वसंत पाठमाला भाग 8

2:- भारत की खोज

3:- गुरुकुल मयंक हिंदी व्याकरण भाग 8

Month's Name	No. of working days	Chapter ./ Topic	Project/ Assignment
अप्रैल	17	वसंत-पाठ 1 ध्वनि (कविता), पाठ 2 लाख की चूड़ियां भारत की खोज-1-अहमदनगर का किला, 2-तलाश व्याकरण- हमारी भाषा,वर्ण विचार, पत्र लेखन (औपचारिक, अनौपचारिक)	पत्र लेखन- औपचारिक पत्र, अनौपचारिक पत्र
मई	10	वसंत पाठ 3- बस की यात्रा पाठ 4- दीवानों की हस्ती(केवल पठन के लिए) भारत की खोज 3- सिंधु घाटी सभ्यता व्याकरण- संज्ञा,लिंग, वचन, अनुच्छेद लेखन	
जून	09	वसंत पाठ 5-चिट्ठियों की अनूठी दुनिया व्याकरण- सर्वनाम,कारक	“मेरा भारत महान” यह वाक्य भारत के किन्हीं पांच भाषाओं में लिखें।
जुलाई	20	वसंत पाठ 6- भगवान के डाकिए(कविता) पाठ 7- क्या निराश हुआ जाए(केवल पठन के लिए) पाठ 8- यह सबसे कठिन समय नहीं (कविता) भारत की खोज 4-युगों का दौर व्याकरण-क्रिया, विशेषण, पर्यायवाची शब्द एवं विलोम शब्द , अपठित गद्यांश	पाठ 'बस की यात्रा' का नाट्य रूपांतरण।
अगस्त	21	वसंत पाठ 9- कबीर की साखियां , पाठ 10- कामचोर भारत की खोज 5-नई समस्याएं व्याकरण- अपठित पद्यांश, अनेक शब्दों के लिए एक शब्द	
सितम्बर	09	पुनरावृत्ति कार्य अर्धवार्षिक परीक्षा	
अक्टूबर	17	वसंत पाठ 11- जब सिनेमा ने बोलना सीखा पाठ 12- सुदामा चरित (कविता)	सूरदास तुलसीदास मीराबाई इन तीनों कवि और कवयित्री के चित्र चिपकाकर जीवन परिचय दें A4

		<b>भारत की खोज</b> 6- अंतिम दौर -एक <b>व्याकरण-</b> क्रिया विशेषण एवं उसके भेद	साइज पेपर में
नवम्बर	14	<b>वसंत</b> पाठ 13- जहां पहिया है(केवल पठन के लिए) पाठ 14- अकबरी लोटा <b>भारत की खोज</b> 7-अंतिम दौर -दो <b>व्याकरण-</b> विराम चिह्न, मुहावरे, पत्र लेखन, अपठित पद्यांश	बोकारो इस्पात नगर एवं जमशेदपुर का तुलनात्मक अध्ययन (सामाजिक , साहित्यिक भौगोलिक एवं आर्थिक )आधार पर करें।
दिसम्बर	15	<b>वसंत</b> पाठ- 15- सूर के पद (कविता) पाठ 16- पानी की कहानी <b>भारत की खोज</b> 8-तनाव 9- दो पृष्ठभूमियां (भारतीय और अंग्रेजी) <b>व्याकरण-</b> उपसर्ग, सामान्य अशुद्धियां	
जनवरी	18	<b>वसंत</b> पाठ 17- बाज और सांप पाठ 18- टोपी <b>भारत की खोज</b> -प्रश्न उत्तर <b>व्याकरण-</b> प्रत्यय , श्रुतिसमभिन्नार्थक शब्द	
फरवरी	11	पुनरावृत्ति कार्य वार्षिक परीक्षा	

### ANNUAL EXAMINATION

**Note: 30% of 1st term covering significant topics:**

**पाठ्य पुस्तक:- वसंत**

पाठ 3:- बस की यात्रा

पाठ 6 :-भगवान के डाकिए( कविता)

पाठ 10 :-कामचोर

**लेखन**

\*पत्र लेखन

\*अनुच्छेद लेखन

\*अपठित गद्यांश

**व्याकरण**

वार्षिक परीक्षा में संपूर्ण व्याकरण सम्मिलित है।

## संस्कृत पाठ्यक्रम 2023-2024

### कक्षा-अष्टम्

#### पाठ्यक्रमानुसार निर्धारित पाठ्य पुस्तकें

1. सुबोध संस्कृत माला पाठ्य पुस्तकं भाग-4 ( सोवेनीर (SOUVENIR) पब्लिकेशंस प्रा0 लि0)
2. मणिका संस्कृत व्याकरण (सरस्वती पब्लिकेशन)

पाठ्यक्रम का मासिक विभाजन:-

अप्रैल (17) : पाठ्यपुस्तकात्-

पाठ: 1 - प्रार्थना, पाठाभ्यासम्:

पाठ: 2 - जन्तुशाला पाठाभ्यासम्:

व्याकरणानि : स्वर सन्धि - दीर्घ, गुण, वृद्धि,

अपठित गद्यांशम्, पत्रलेखनम्, चित्र लेखनम्, संख्या 1-50, (1-4) तक की संख्याओं का तीनों लिंगों में वाक्य प्रयोग शब्दरूपाणि लतावत्, बालकवत्, फलवत्, सर्वनाम शब्दरूपाणि-अस्मद् युष्मद्। तद् किम् (त्रिषु-लिङ्गेषु)

धातु-रूपाणि-दृश,अस्, गम्, पठ् लट्, लृट्, लङ् लकारे,

कारकप्रकरणात्, सामान्य तथा उपपद विभक्ति एवं वाक्य प्रयोग, संवाद लेखनम्

मई (10) : व्याकरणानि : समयलेखनम्, अव्ययप्रकरणम्।

पाठ: 3 : सुभाषितानि पाठाभ्यासम्:

पाठ: 4 : दुर्बुद्धिः विनश्यति पाठाभ्यासम्:

#### गतिविधि कार्यम्

गतिविधि कार्यम् - (1) संख्यावाची 1-4 तक का पुलिङ्ग, स्त्रीलिङ्ग, तथा नपुंसकालिङ्ग के आधार पर तालिका बनायें,

(2) घटिकां दृष्ट्वा समय निर्धारणम्

#### परियोजना कार्यम्

परियोजना कार्यम् - झारखण्ड राज्य तेलगानां राज्य " भोजनम् कला संस्कृति विषयै तुलनात्मकं अध्ययनम्"।

जून (9) : पाठ: 5 : त्रयः प्रश्नाः

व्याकरणानि : प्रत्ययाः-क्त्वा, ल्यप्, तुमुन् उदाहरणानि (वाक्यप्रयोगाः)

जुलाई (20): पाठ: 6: देशरत्न डा0 राजेन्द्र प्रसाद

पाठ: 7 : गीतामृतम् पाठाभ्यासम्:

व्याकरणानि : उपपदविभक्तिभिः 1. द्वितीया - उभयतः सर्वतः, अभितः परितः, प्रति, विना, समया, नम्,  
2. तृतीया - सह, विना, अलम्, येनाङ्गविकारः, हीनः  
3. चतुर्थी - नमः, अलम्, क्रुध्, दा, कुप्, रुच्,

अगस्त (21): पाठ: 8 : व्यायामः पाठाभ्यासम्:

पाठ: 9 : वीराङ्गना लक्ष्मीबाई पाठाभ्यासम्:

व्याकरणानि : उपसर्गाः - आ, वि, प्रति, उप, अनु, निर, प्र, अधि, अप, नि, अव अपठित गद्यांश, पत्रलेखनम्, चित्रवर्णनम्।

सितम्बर (9): पुनरावृत्ति कार्यम् तथा अर्द्धवार्षिक परीक्षायाः शुभारम्भः ।

अक्टूबर (17): पाठः 10 : महाराणा प्रताप पाठाभ्यासम्:  
पाठः 11 : भोजनम् शरीर-रक्षकम् (केवलं आन्तरिक मूल्यांकनाय)  
व्याकरणानि : उपपदविभक्तिभिः—

1. पञ्चमी — ऋते, बहिः, भी, रक्ष
  2. षष्ठी — अधः, उपरि, पुरतः, वामतः, दक्षिणतः
  3. सप्तमी — कुशलः, स्निह, विश्वस्, निपुण
- प्रत्ययाः — क्त्वा, ल्यप्, तुमुन्, अव्यय  
प्रकरणम्, समय लेखनम्

नवम्बर (14): पाठः 12 : त्रयोः धूर्ताः पाठाभ्यासम्:  
पाठः 13 : विद्या राजसु पूजिता पाठाभ्यासम्:  
व्याकरणानि : स्वरसन्धि—दीर्घ, गुण, वृद्धिः, अपठितगद्यांश, पत्रलेखनम्,  
चित्रलेखनम् संस्कृतेन अनुवादम्, संख्यावाची शब्दाः  
एकतः चतुर्पर्यन्तम् त्रिषु लिङ्गेषु,

दिसम्बर (15): पाठः 14 : श्लोकस्तबकम् पाठाभ्यासम्:  
पाठः 15 : भगवान् बुद्ध पाठाभ्यासम्:  
व्याकरणानि : शब्दरूपाणि — लतावत्, बालकवत्  
फलवत्, सर्वनामशब्दाः—तत्, किम्  
(त्रिषु लिङ्गेषु), धातुरूपाणि—पठ्, दृश्, नम्, खाद्  
(त्रिषु लकारेषु),

जनवरी (18): पाठः 16 : सर्वोत्तमः वरः पाठाभ्यासम्:  
व्याकरणानि : उपसर्गाः— अपठित गद्यांशं, चित्रलेखनम्, पत्र-लेखनम्,  
संवाद लेखनम् । पुनरावृत्ति कार्यम्  
संख्या (1-4 त्रिषु लिङ्गेषु, तथा 1-50, समय लेखनम्,  
अव्यय—प्रकरणम्, सन्धि, पाठात् कथापुर्ति,

फरवरी (11): पुनरावृत्ति कार्यम् तथा वार्षिकपरीक्षायाः शुभारम्भः ।

टिप्पणीः— 1. वार्षिकी परीक्षायाम् अर्द्धवार्षिकी परीक्षायाः  
द्वितीयः पाठः — जन्तुशाला, चतुर्थः पाठः — दुर्बुद्धिः विनश्यति  
इति पाठौ सम्मिलितौ भविष्यतः ।



## Subject: Mathematics

PRESCRIBED BOOK : 1. Mathematics for Class VIII (NCERT)

2. Mathematics Lab Manual Class VIII (JAINCO PUBLISHERS)

REFERENCE BOOK: Mathematics For Class 8 (Bharti Bhawan, R S Aggarwal)

Syllabus for the whole year – (2023 -24)

Months Name	No. of working days	Chapter	Content	Activity
April	17	1. Rational Numbers  2. Linear Equations In one variable	a. Introduction to Rational Numbers b. Properties and Operations of Rational Numbers c. Representation of Rational Numbers on Number Line d. Finding a rational number between two given rational numbers e. Word problems of rational numbers. a. Introduction b. Solving equation having linear expressions on one side and application c. Solving equation having linear expression on one side and numbers on the other side. d. By keeping variable on both side e. Transposing Method	Represent Rational Numbers on number Line.  Activity based on Rational numbers  Working model on linear equation in one variable
May	10	3. Understanding Quadrilaterals  4. Practical Geometry 5.	a. Introduction b. Polygons, Classification of polygon, Concave and convex polygons, Angle sum property c. Kinds of Quadrilaterals d. Word Problems  a. Introduction b. Constructing a Quadrilateral	To verify that the sum of exterior angles of any polygon is $360^\circ$ .  To make different convex and concave polygons by paper cutting and folding.
June	09	5. Practical Geometry 6. Squares and Square Roots	Continue a. Squares b. Square roots c. Estimating square roots d. Process of moving nearest to the square root	Activity based on square and square roots
July	20	7. Cubes and Cube Roots	a. Introduction b. Cubes and Cube roots. c. Estimating Cube roots d. Process of moving nearest to cube root of a given number.	Knowledge and classification of solid figures with respect to the surface areas and volumes.

		8. Comparing	<ul style="list-style-type: none"> <li>a. Recalling Ratios and Percentages</li> <li>b. Estimating in percentages</li> <li>c. Profit and Loss</li> <li>d. Sales Tax/ Value Added Tax</li> <li>e. Compound Interest Annually or Half Yearly</li> <li>f. Applications of Compound Interest Formula</li> </ul>	
August	21	9. Algebraic Expressions and Identities	<ul style="list-style-type: none"> <li>a. Introduction</li> <li>b. Multiplication of Algebraic Expressions</li> <li>c. Problems</li> </ul>	To verify the algebraic identity by paper cutting and pasting. $(a + b)^2 = a^2 + b^2 + 2ab$
September	09	10. Visualising Solid Shapes+ REVISION	<ul style="list-style-type: none"> <li>a. Introduction</li> <li>b. Identifying and matching pictures</li> <li>c. Drawing 2D representing of 3D pictures</li> <li>d. Euler's Relationship Integers as Exponents</li> </ul>	
<b>Half Yearly Exam</b>				
October	17	11. Mensuration	<ul style="list-style-type: none"> <li>a. Introduction</li> <li>b. Area of rectilinear figures</li> <li>c. Surface area and volume of cube and cuboid</li> <li>d. Surface area and volume of a right circular cylinder</li> </ul>	Activity: To make Cubes and Cuboids of given dimensions using unit cubes and to calculate the volume of each.
November	14	12. Exponents and Powers  13. Direct and Inverse Proportions	<ul style="list-style-type: none"> <li>a. Introduction</li> <li>b. Laws of exponents with integral powers</li> <li>c. Questions Based on exponents and powers</li> <li>a. Introduction</li> <li>b. Word problems based on Direct and Inverse Proportion</li> </ul>	To verify the algebraic identity $(a + b)^3 = a^3 + b^3 + 3a^2b + 3ab^2$
December	15	14. Factorisation	<ul style="list-style-type: none"> <li>a. Introduction</li> <li>b. Factorisation</li> <li>c. Algebraic Method of Solving Linear Equations</li> <li>d. Word problems</li> </ul>	Construct a cylinder with the help of plane sheet.
January	18	15. Introduction to Graphs	<ul style="list-style-type: none"> <li>a. Introduction</li> <li>b. Bar Graph, A Pie graph, A line graph, Histogram</li> <li>c. Axis system (Cartesian system)</li> </ul>	Draw the line graph between circumference of circle and its



		16. Playing with Numbers  5. Data Handling	d. Plotting points for different situations e. Reading of linear graphs a. Introduction b. Numbers in General Form c. Divisibility Test d. Word Problea. a. Grouping of data b. Construction and interpretation of bar graph	area.
February	11	5. Data Handling + Revision	c. Grouping of data d. Construction and interpretation of bar graph + Revision of all chapters	

### For Annual Examination (Term- II)

1. Term- II Portion+

2. Selected Chapters will be included in Annual Exam from before Half Yearly Portion (Term- I)

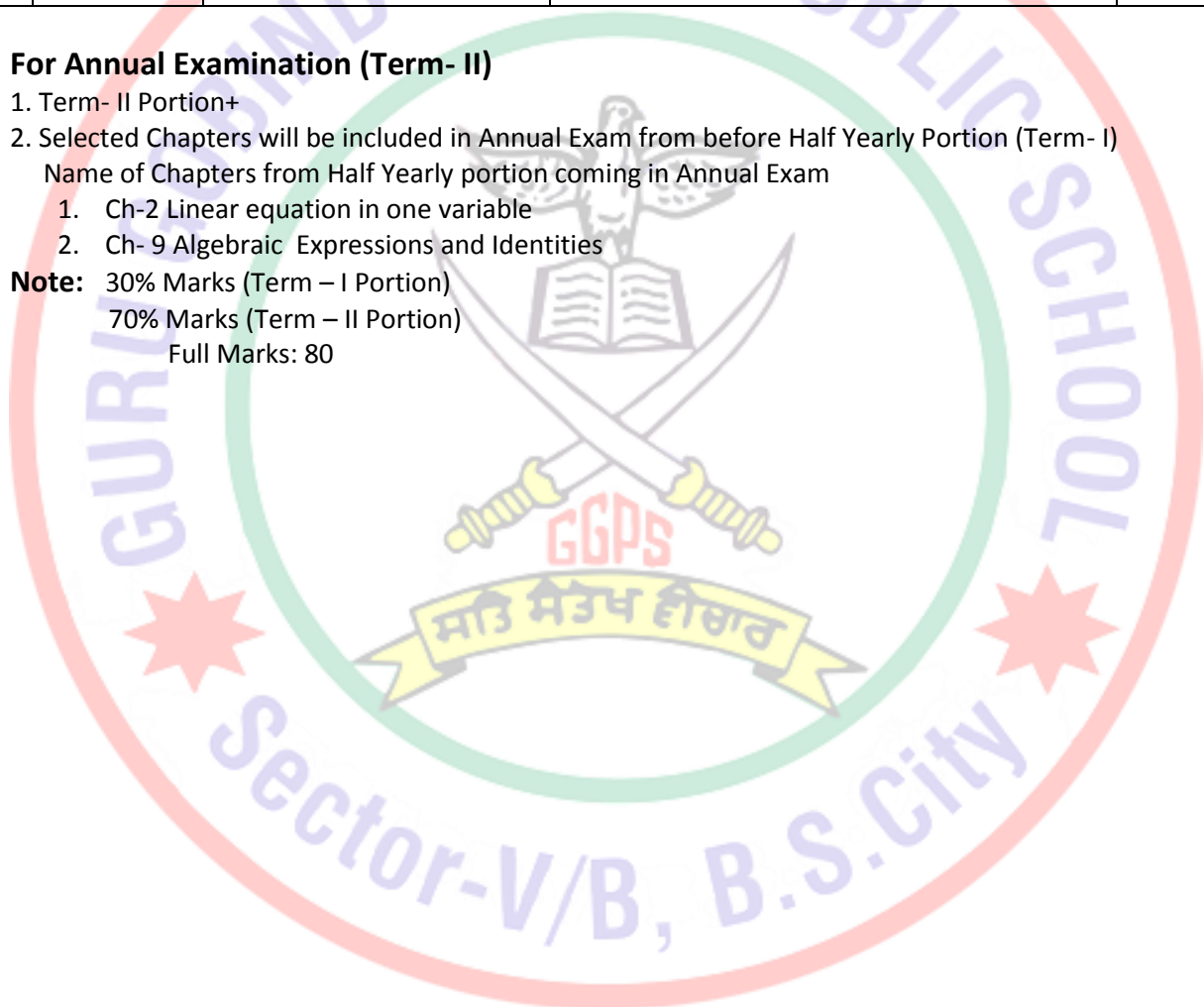
Name of Chapters from Half Yearly portion coming in Annual Exam

1. Ch-2 Linear equation in one variable
2. Ch- 9 Algebraic Expressions and Identities

**Note:** 30% Marks (Term – I Portion)

70% Marks (Term – II Portion)

Full Marks: 80



## Subject : Physics

### Prescribed Books

S.Chand Science 8, Lakhmir Singh and Manjit Kaur

Publisher: S.Chand

### Syllabus for the whole year

1. Force and Pressure
2. Friction
3. Sound
4. Some Natural Phenomena
5. Light
6. Stars and the Solar System

Month's Name	No. of Working days	Chapter/Topic	Content/ Sub Topic In detail	Experiment/Activity	Project/Model
April	18	Ch.11.Force and pressure	Force; Effects of Force; Types of force: Muscular Force, Frictional Force, Magnetic Force, Electrostatic Force and Gravitational Force ; Pressure: Explanation of Some Everyday Observations on the basis of Pressure; Pressure exerted by Liquid, Pascal's law, Atmospheric Pressure; Application of Atmospheric Pressure in Everyday Life	1. To show the effect of force on the shape of different objects. 2. To study the effect of magnet on different materials. 3. To show that atmosphere exerts pressure, by using a glass filled with water with a cardboard sheet. 4. Make a liquid pressure tester using a glass tube and a balloon.	Prepare a model describing different types of force and its effect.  With the help of model show some examples of daily observations on the basis of pressure.
May	14	Ch.12.Friction	Introduction of Friction, frictional force, Cause of friction, Factors on which Friction depends	1. To study the dependence of friction on the nature of surface.	With the help of working model show advantages and disadvantages of friction.

June	06	Ch.12.Friction (Contd...)	Types of friction, Fluid friction; Friction in liquids and gases(Drag), Streamlined shapes	2. To show that rolling friction is less than sliding friction.	Prepare a project/model on fluid friction.
July	21	Ch.12.Friction (Completed)	Advantages and Disadvantages of friction, Method of increasing and decreasing friction	1. To show that sound is produced by a vibrating body.	Prepare a working model to show sound is produced by vibrating body.
		Ch.13. Sound	Sound produced by vibrating body, Sound produced by musical instruments		
August	19	Ch.13. Sound(Contd...)	Sound needs a medium to propagate, Amplitude, Frequency and Time period, characteristics of sound, Sound produced by Humans	2. To show that sound cannot travel in vacuum, it requires a medium to travel	Prepare a model of Human Ear.
September	09	Ch.13.Sound (Completed)	Human ear, Audible and Inaudible Sounds, Infrasonic Sounds, Ultrasonic Sounds, Noise and Music, Noise pollution, Hearing Impairment . <b>REVISION</b>	3. Prepare a different types of Musical Instruments with Thermocol.	Prepare a working model to show the difference between Audible and Inaudible Sound
<b>HALF YEARLY EXAMINATION</b>					
October	14	Ch.15.Some Natural Phenomena	Lightning , Electrical charges, Charging by rubbing, , Charging by induction, Charging by conduction, Transfer of charge, Lightning &Thunder, Lightning Conductor, Safety measures to be taken during lightning.  Earthquakes, Causes of earthquake, Protection against earthquakes, Personal safety	1. To show that like charges repels each other. 2. Collect information about the major earthquakes that have occurred in India during the last few decades. Prepare a report showing their impacts on Human life and property. 3. Prepare an electroscope.	Prepare a working model of Lightning Conductor and Earthquake.

November	21	Ch.16.Light	Reflection of light, Regular reflection & Irregular reflection, Laws of reflection light, Formation of image by a plane mirror Multiple images and kaleidoscope, Dispersion of light	Prepare a kaleidoscope.	Prepare a working model to show the difference between Regular and Irregular Reflektion.
December	16	Ch.16.Light (Completed)	The Human eye, Persistence of vision, Defects of vision, Visually challenged person and the Braille System, Eye Care and Visually Challenged People	Draw a structure of Human eye.	Prepare a model of different defects of vision.
January	21	Ch.17. Stars and the Solar System	The Moon and its phases, Stars, Constellations, The Solar System, Planets, Artificial Satellites, The Eight Planets, Meteoroids, meteor and meteorites.	Make a model of The Solar System using different waste materials.	Prepare a working model of The Moon and its Phases.
February	13	<b>REVISION</b>			
<b>ANNUALEXAMINATION</b>					

**NOTE:30%of 1<sup>st</sup>Term covering significant topics.**

**1. Sound**

**2.Types of Forces**

**3.Entire Syllabus of second term.**

**Subject: CHEMISTRY**

**Prescribed Book: LAKHMIR SINGH'S SCIENCE - 8**

**Publisher : S. CHAND**

**Syllabus for the whole year:**

1. Synthetic Fibres and Plastics
2. Materials - Metal and Non-Metal
3. Coal and Petroleum
4. Combustion and Flame
5. Chemical Effect of Electric Current

Month's Name	No. of working days	Chapter No./ Title	Project/ Assignment/ Hand-on activities
April	17	Lesson 3 Synthetic Fibres and Plastics (Cont.). 1. What are Synthetic Fibres? 2. Types of Synthetic Fibres 3. Characteristics of Synthetic Fibres 4. Plastics 5. Plastics as Materials of Choice 6. Plastics and the Environment	i) Collection of Synthetic fibres ii) To make a model with beads for polymer and monomer
May	10	Lesson 3 Synthetic Fibres and Plastics (completed) Lesson 4 Metals and Non-Metals	i) Burning of Magnesium ribbon ii) To demonstrate polymer chain in different types of Plastics
June	09	Lesson 4 Metals and Non-Metals (Cont.) 1. Physical Properties of Metals and Non-metals 2. Chemical Properties of Metals and Non-metals 3. Uses of Metals and Non-metals	i) To demonstrate a) displacement reactions b) combination reaction c) Decomposition reaction d) Neutralization reaction
July	20	Lesson 4 Metals and Non-Metals (Cont. and completed) Lesson 5 Coal and Petroleum 1. Coal 2. Petroleum 3. Natural Gas 4. Some Natural Resources are Limited	i) Collect and display five metals and 5 non-metals
August	21	Lesson 5 Coal and Petroleum (Cont.)	i) to prepare a chart to show destructive distillation of coal and fractional distillation of petroleum
September	09	Lesson 5 Coal and Petroleum (Cont. and Completed)	i) To show that ignition temperature is necessary for combustion
<b>HALF YEARLY EXAMINATION</b>			



October	17	Lesson 6 Combustion and Flame (Cont.) 1. What is Combustion? 2. How Do We Control Fire? 3. Types of Combustion 4. Flame 5. Structure of a Flame 6. What is a Fuel? 7. Fuel Efficiency	i) To show that Oxygen is necessary for Combustion
November	14	Lesson 6 Combustion and Flame (Cont. and Completed) Lesson 14 Chemical effect of electric current (Cont.)	i) To show that liquid conduct electricity
December	15	Lesson 14 Chemical effect of electric current (Cont.) 1. Do Liquids Conduct Electricity? 2. Chemical Effects Of Electric Current 3. Electroplating	i) To show that effect of burning (combustion) on different materials i.e. cotton and rayon.
January	18	Lesson 14 Chemical effect of electric current (Cont. and completed)	i) To demonstrate the difference between cell and battery ii) To show glowing of bulb with ammeter, cell and bulb
February	11	Revision & Annual Examination	

### ANNUAL EXAMINATION

**Note: 30% of 1st term covering significant topics:**

1. Types of Plastics, Useful properties of plastics
2. Fossil fuels, Coal and its uses, Products of Coal
3. Uses of Metals and Non-metals
4. Entire Syllabus of Second term



**Subject: BIOLOGY**

**Prescribed Book: LAKHMIR SINGH'S SCIENCE – 8**

**Publisher : S. CHAND**

**Syllabus for the whole year:**

1. Crop production and management
2. Micro-organisms: Friend and Foe
3. Conservation of Plants and Animals
4. Cell – Structure and Functions
5. Reproduction in Animals
6. Reaching the Age of Adolescence
7. Air and Water Pollution

Month	No. of working days	Chapter No./ Title	Project/ Assignment/Hand-on activities
April	17	Lesson: 1 Crop production and Management 1. Agricultural Practices 2. Basic Practices of Crop Production 3. Preparation of Soil 4. Sowing 5. Adding Manure and Fertilizers 6. Irrigation 7. Protection from Weeds 8. Harvesting 9. Storage 10. Food from Animals	i) Prepare a report on agricultural practices. ii) Importance agriculture and developing respect for the farming community iii) To make an art integrated project comparing the major animal husbandry practices of Jharkhand and Telangana
May	10	Lesson: 2 Micro-organisms 1. Microorganisms 2. Where do Microorganisms Live? 3. Microorganisms and Us 4. Harmful Microorganisms 5. Food Preservation 6. Nitrogen Fixation 7. Nitrogen cycle	i) To separate damaged seeds from healthy seeds. ii) To collect the names food preservatives iii) To minimize the food wastage to study the growth of fungi on bread mould
June	09	Lesson: 2 Micro-organism Cont. And completed	i) To show that carbon dioxide and alcohol is produced during fermentation
July	20	Lesson 7 Conservation of Plants and Animals 1. Deforestation and Its Causes 2. Consequences of Deforestation 3. Conservation of Forest and Wildlife 4. Biosphere Reserve 5. Flora and Fauna 6. Endemic Species 7. Wildlife Sanctuary 8. National Park 9. Red Data Book 10. Migration	i) To locate the Biosphere reserve and National park in political map ii) Prepare a document on Project Tiger

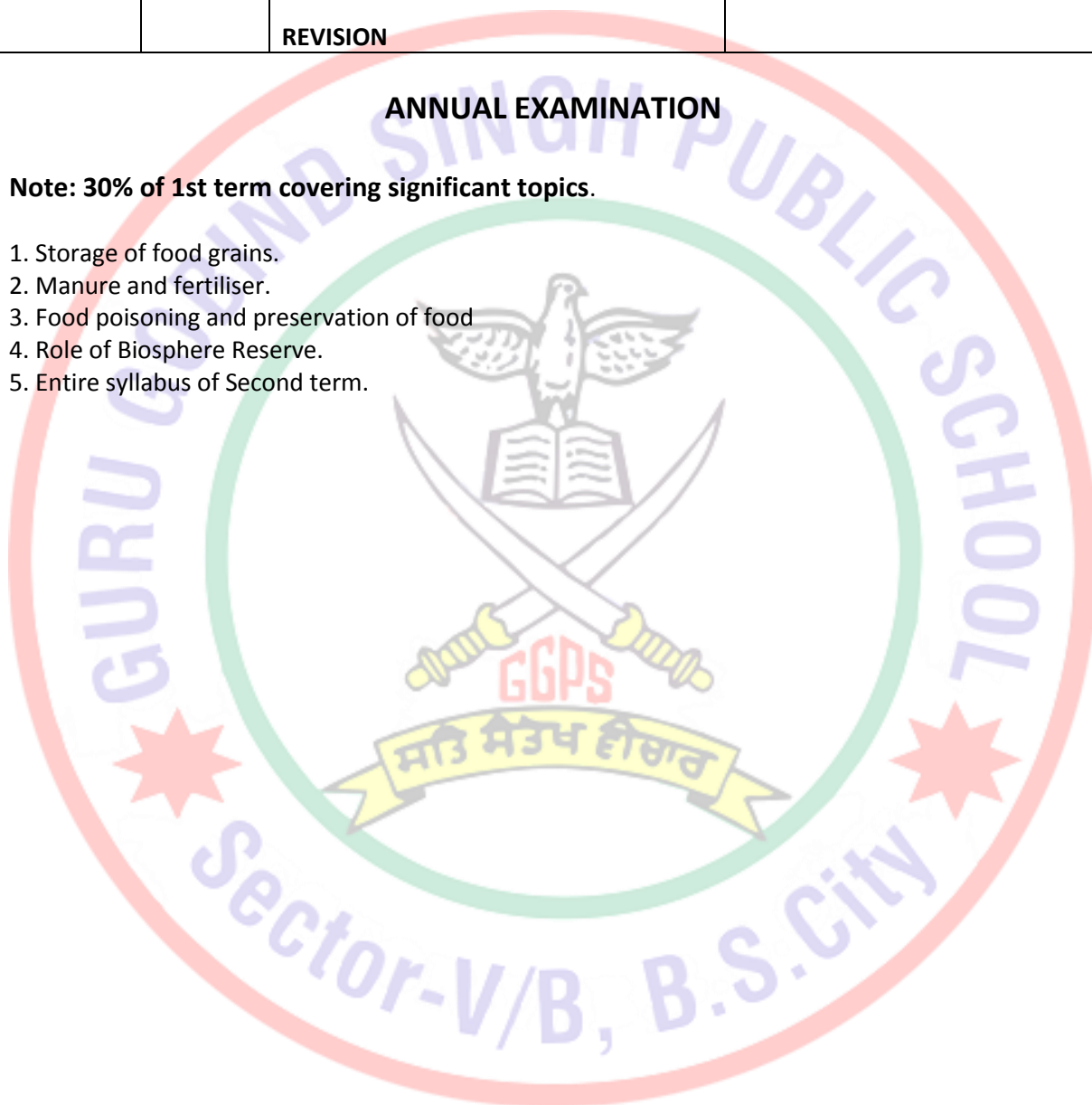
		11. Recycling of Paper 12. Reforestation	
August	21	Lesson 8 Cell – Structure and Functions 1. Discovery of the Cell 2. The Cell 3. Organisms show Variety in Cell Number, Shape and Size 4. Cell Structure and Function 5. Parts of the Cell 6. Comparison of Plants and Animals Cells	i)To study different parts of microscope ii)To prepare a model on plant cell and animal cell iii)MCQ based question for critical thinking
September	09	Lesson 8 Cell – Structure and Functions Cont. And Completed <b>Revision</b>	i)To observe plant cell in onion peel and animal cell in cheek cell
<b>HALF YEARLY EXAMINATION</b>			
October	17	Lesson 9 Reproduction in Animals 1. Modes of Reproduction 2. Sexual Reproduction 3. Asexual Reproduction	i)To prepare a chart on metamorphosis ii)To collect information regarding IVF iii)To study binary fission in amoeba and budding in yeast with the help of permanent slides
November	14	Lesson 9 Reproduction in Animals (Cont. And completed) Lesson 10 Reaching the age of Adolescence	iv) To show a model of reproductive system in Humans
December	15	Lesson 10 Reaching the age of Adolescence (Cont. And completed) 1. Adolescence and Puberty 2. Changes at Puberty 3. Secondary Sexual Characters 4. Role of Hormones in Initiating Reproductive Function 5. Reproductive Phase of Life in Humans 6. How is the Sex of the Baby Determined? 7. Hormones other than Sex Hormones 8. Role of Hormones in Completing the Life History of Insects and Frogs 9. Reproductive Health	i)To prepare a report on different methods of physical fitness ii)To make an art integrated project comparing food habits of Jharkhand and Telangana iii)To prepare a chart to show the endocrine system.
January	18	Lesson 18 Air and Water Pollution 1. Air Pollution 2. How does Air Get Polluted? 3. Case Study- The Taj Mahal 4. Greenhouse Effect	i)To prepare a project on SPM level of Jharkhand ii) Prepare a file related to cause, effects and prevention of water pollution and air pollution

		5. What can be done? 6. Water Pollution 7. How does Water Get Polluted? 8. What is Potable Water and how is Water Purified? 9. What can be done?	
February	11	Lesson: 18 Air and Water Pollution (Cont. And completed)  <b>REVISION</b>	

### ANNUAL EXAMINATION

**Note: 30% of 1st term covering significant topics.**

1. Storage of food grains.
2. Manure and fertiliser.
3. Food poisoning and preservation of food
4. Role of Biosphere Reserve.
5. Entire syllabus of Second term.



## Social Science

Book Publisher: Cascade – 8 ,

Author Archana Golcha ,Urmi Chakraborty & Swati Shukla

Month	Working Days	Subject	Chapter	Activity	Integrated Syllabus
April	17	History  Civics Geography	1.) Where, When and How 2.) Establishment of British Rule in India 1.) The Indian Constitution 1.) Resources	On the political map of India mark the trading centres established by European trading companies.  Draw a flow chart showing the features of Indian Constitution.	*Integrated with geography for location of British expansion *Integrated with history to know the framing of constitution .
May	10	Civics Geography	2.) Understanding secularism 2.) Land and Soil Resources 3.) Water Resources	Comparative study between the Secularism of USA and India.  * Comparative Study between Telangana and Jharkhand	*Integrated with History to know the origin of secularism in India Constitution. *Art Integrated Project.
June	09	History  Geography	3) Rural Life and Society 4.) Tribal Societies  3.) Water Resources (Cont...)	On the political map of India shade the regions under different land revenue system . Case study - Alluri Sitaram Raju of Rampa Rebellion	*Integrated with Geography .  *Integrated with English.
July	20	History  Civics  Geography	4) Tribal Societies (Cont...) 5.) Crafts and Industries 6.) The Revolt of 1857 3.) The Indian Parliament  4.) Natural Vegetation and Wildlife 5.) Mineral and Power Resources	On the political map of India Mark the centres of the revolt. Draw the flowchart given on Page no. 207	*Integrated with geography for the location of different centres of revolt .
August	21	History  Civics Geography	7.) Colonial Education 8.) Women and Reforms  4.) Laws 6.) Agricultural Practices	Group discussion on the importance of teaching the native languages in the school. Brief profile of social reformers	*Integrated with literature.  *Integrated with English.
September	09	-----	REVISION & HALF YEARLY EXAMINATION		

October	17	History  Civics Geography	9.) Challenging the caste system 10.) Colonialism And Urban Change  5.) Judiciary In India. 7.) Major Crops	complete the chart given on page no 67  Prepare a pyramidal structure showing hierarchical order of Indian Judiciary	*Integrated with economics-working culture.
November	14	History  Civics Geography	11.) Changes in the Arts: Painting, Literature and Architecture. 12.) The Nationalist Movement: Rise and growth till 1905 6.) Criminal Justice System 8.) Manufacturing Industries	On the map of India mark the places where annual sessions of Congress were held.	*Integrated with geography for map pointing .
December	15	History  Civics  Geography	13.) The National Movement – 1  7.) Marginalization 8.) Challenging Marginalization 9.) Industries: India and The world	Slogan on abolition of marginalisation	<b>*Integrated with English for slogan writing</b>
January	18	History  Civics  Geography	14.) The National Movement – 2 15.) The National Movement – 3  9.) Development and Government 10.) Human Resources 11.) Disaster Management	Prepare a report on the incident of Jallianwala Bagh massacre.	*Integrated with English for report writing
February	11	-----	REVISION & ANNUAL EXAMINATION		

NOTE: 30% syllabus from 1st semester

History: Chapter-2: Establishment of British Rule in India

Chapter-3: Rural life and society

Civics: Chapter-3: The Indian parliament

Geography: Chapter-1: Resources

Chapter-3: Water Resources



# Computer Science

## Syllabus(Session 2022-2023)

### Class – VIII

Month's Name	No. of working days	Unit No./Title	Content/Topic	Practical/Activity
April	18	<b>PART-A</b> <b>Unit 1. Log on to Access</b>	<ul style="list-style-type: none"> <li>• Types of databases</li> <li>• Elements of DBMS</li> <li>• Advantages of DBMS.</li> <li>• Introduction to Access</li> <li>• Components of Access 2016 window</li> <li>• Starting Access 2016</li> <li>• Creating a Database</li> <li>• Views of a table</li> <li>• Rules for naming variables</li> <li>• Data Types in Access 2016</li> <li>• Adding Tables</li> <li>• Primary Key</li> <li>• Editing Tables in Access 2016</li> <li>• Sorting, Filtering and Searching in a Database</li> <li>• Closing Access 2016</li> <li>• Opening a saved Database.</li> </ul>	<p>Create a table in Access 2016, displaying the details of the residents of a society.</p> <p>Draw the components of MS-Access window.</p>
May	9	<b>Unit 2.</b> <b>Queries ,</b> <b>Forms and</b> <b>Reports in</b> <b>Access</b>	<ul style="list-style-type: none"> <li>• Setting a relationship between Tables.</li> <li>• Query</li> <li>• Forms</li> <li>• Reports</li> </ul>	Create a table named Student details with the fields std_name, roll no, DOB, Age. Create a query and report using this table.
June	14	<b>PART B:</b> <b>Unit 5.</b> <b>Excite</b>	<ul style="list-style-type: none"> <li>• Introduction to Artificial Intelligence</li> <li>• The Need for AI</li> <li>• History of AI</li> </ul>	
July	21		<ul style="list-style-type: none"> <li>• Difference between Human intelligence and Artificial Intelligence</li> <li>• Types of Artificial Intelligence</li> <li>• Difference between weak AI and Strong AI.</li> <li>• AI Integration with other Disciplines.</li> <li>• Three Domains of AI.</li> <li>• Fields related to AI.</li> <li>• Applications of AI.</li> <li>• Benefits of AI.</li> <li>• Limitations of AI.</li> </ul>	Make a ppt for smart cities and smart industries using AI.
August	19	<b>Unit 6.</b> <b>Relate</b>	<ul style="list-style-type: none"> <li>• AI Reshaping everyday life.</li> <li>• AI in various industries.</li> <li>• Tracing the history of Chatbots</li> <li>• AI opportunities and Threats</li> <li>• Impact and Relevance of AI in Daily life</li> <li>• The concept of smart living</li> <li>• What is smart home?</li> <li>• Smart cities</li> <li>• Smart devices versus Smart Systems.</li> <li>• Smart cities contributing to UN SDGs.</li> </ul>	Ice breaker activity.



September	09	Revision & Half Yearly Examination		
October	14	Part A: Unit 3. Introduction to Apps	<ul style="list-style-type: none"> <li>What are Apps?</li> <li>Installing an App</li> <li>Commonly known Apps and their Usage</li> <li>Mobile operating System</li> </ul>	Create a presentation showing popular apps available on different mobile operating systems in the following areas:- Nutrition Mathematics English grammar Dictionary Games Yoga.
		Unit 4. Developing an App	<ul style="list-style-type: none"> <li>Tools used to Develop Apps</li> <li>MIT App Inventor</li> <li>Developing an App with App Inventor.</li> </ul>	Develop an app that converts the text you type in textbox1 to uppercase and shows the text in textbox2 when the button is clicked.
November	21	Part B: Unit 7. Purpose	<ul style="list-style-type: none"> <li>Sustainable Development Goals</li> <li>Three Domains of Sustainable Development.</li> <li>Objective of Sustainable Development Goals.</li> <li>SDG Challenges and solutions</li> <li>How AI can help achieve SDGs.</li> </ul>	Browse the internet and find out how AI can be used to achieve the following SDGs.
December	16	Unit 8. Possibilities	<ul style="list-style-type: none"> <li>Advent of artificial intelligence</li> <li>AI:-Transforming the way we live.</li> <li>The fast evolving focus on AI research</li> <li>Evolution of technology.</li> <li>Possibilities that Open up with AI</li> <li>Career opportunities in AI</li> </ul>	Research about any three Indian companies that are working on providing AI solutions.
January	21	Unit 9. AI Ethics	<ul style="list-style-type: none"> <li>AI Ethics</li> <li>Raising good machines.</li> <li>Privacy Concerns related to AI</li> <li>Ethics Related to Robotics</li> <li>AI policy.</li> </ul>	Explain how AI can be utilized across various domains.
February	13	Revision & Annual Examination		

#### For Annual Examination (Term-II)

- Term-II Portion
- Selected chapters will be included in Annual Examination(Term-II) from Term-I portion.

**Note:-**30% Marks(Term-I Portion)

70% Marks(Term-II Portion)

Full Marks:-40

Class 8

Subject : Dance

MONTH	W.D	TOPIC
APRIL	17	Tatta Adavu,bhoomi pranam..
MAY + JUNE	10  09	Chatusra ekam and chatusra triput taal . Basic standing position and various patterns of tatkar
JULY	20	One folk dance
AUGUST	21	One folk dance
SEPTEMBER	09	Natta Adavu
OCTOBER	17	Natta Adavu
NOVEMBER + DECEMBER JANUARY FEBRUARY	14 15 18 11	Different hasta chakra in teen taal . Tatkar teen taal . Guru vandana Revisions.

Class 8

SUBJECT : PAINTING

MONTHLY SYLLABUS BREAKUP:2023-24

MONTH	WORKING DAYS	TOPIC
APRIL	17	SKETCH, DRAWING (LIVING THINGS)
May	10	CREATIVE ART
JUNE	09	ANY CHOICE OF COMPOSITION
JULY	20	GREETING CARD AND TEXTILE DESIGNS
AUGUST	21	ANY FESTIVAL (WATER COLOUR )
SEPTEMBER	09	PAPER MASHY WORK
OCTOBER	17	CREATIVE RELIEF WORK
NOVEMBER	14	NATURE STUDY
DECEMBER	15	CRAFT WORK
JANUARY	18	CREATIVE WORK AND DEFFERENT MODELS
FEBRUARY	11	PAPER MASHY AND CLAY WORK

