

SACRED HEART SR. SEC. SCHOOL

Bhai Randhir Singh Nagar, Ludhiana

Syllabus for Class-IX

Session 2022-2023

FOREWORD

Sacred Heart School firmly believes in the divine light of knowledge. We strive sincerely to follow the path of "Learn and Enlighten" which is the maxim of our school. We offer a curriculum which blends academic excellence with a holistic approach aiming at developing a strong foundation and individual growth. Our school aims at facilitating learning, guiding, developing skills conforming to social expectations and building balanced personalities. Keeping in view the above mentioned standards and abiding by the regulations laid down by CBSE, our school is designed to provide academic challenge within a stimulating and exciting environment. This understanding based approach enables students to make significant academic progress. A unique assignment and testing system has been developed in school at all levels which equips our students to face the more complex and demanding 'real world' of the 21st century.

सितंबर	व्याकरण अपठित गद्यांश, अर्थ के आधार पर वाक्य भेद पुनरावृत्ति एवं परीक्षा
अक्तूबर	पाठ कीचड़ का काव्य, शुक्रतारे के समान कविता नए इलाके में
नवंबर	व्याकरण विज्ञापन लेखन, पर्यायवाची शब्द, उपसर्ग, प्रत्यय कहानी दीये जल उठे (संचयन)
दिसंबर	व्याकरण विलोम शब्द, श्रुतिसमभिन्नार्थक शब्द, नारा लेखन यूनिट परीक्षा-2
जनवरी	पुनरावृत्ति परीक्षा
फरवरी	वार्षिक-परीक्षा

HINDI

प्रस्तावित पुस्तकें :	1. स्पर्श भाग 1 2. संचयन भाग 1 3. व्याकरण अयन
मार्च	पाठ दुख का अधिकार, अतिथि तुम कब जाओगे कविता रहीम के दोहे व्याकरण शब्द व पद, पर्यायवाची शब्द, निजी पत्र
अप्रैल	पाठ एवरेस्ट : मेरी शिखर यात्रा एवरेस्ट कहानी गिल्लू (संचयन) कविता रैदास के पद व्याकरण अनुस्वार, अनुनासिक, विज्ञापन लेखन एवं अनुच्छेद लेखन
मई	कविता एक फूल की चाह कहानी स्मृति (संचयन) व्याकरण उपसर्ग, प्रत्यय, विलोम शब्द, नारा लेखन यूनिट-परीक्षा-1
जुलाई	कविता आदमीनामा पाठ हामिद खाँ व्याकरण संदेश लेखन, संवाद लेखन, श्रुतिसमभिन्नार्थक शब्द
अगस्त	पाठ धर्म की आड़ कविता खुशबू रचते हैं हाथ

PUNJABI

पाठ पुस्तकें	1. साहिब माला - IX 2. ਵੰਨਗੀ - IX 3. ਗੋਲਡਨ ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਅਤੇ ਲੇਖ ਰਚਨਾ IX-X
	ਅਪ੍ਰੈਲ
पाठ-पुस्तकें	ਜਨਮ ਦਿਨ (ਕਹਾਣੀ) ਵਹਿਮੀ ਤਾਇਆ (ਵਾਰਤਕ)
ਵਿਆਕਰਨ ਪੱਤਰ	ਲਿੰਗ, ਵਿਰੋਧੀ ਸ਼ਬਦ, ਸ਼ਬਦ-ਸ਼ੁੱਧੀ ਨਿੱਜੀ ਪੱਤਰ
	ਮਈ
पाठ-पुस्तकें	ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ (ਵਾਰਤਕ) ਸਮਾਂ (ਕਵਿਤਾ)
ਵਿਆਕਰਨ ਲੇਖ	ਚਿੱਤਰ ਵਰਨਣ, ਸ਼ਬਦ-ਸ਼ੁੱਧੀ ਵਿਚਾਰ-ਪ੍ਰਦਾਨ ਅਤੇ ਆਮ ਵਿਸ਼ੇ

ਜੂਨ
ਗਰਮੀ ਦੀਆਂ ਛੁੱਟੀਆਂ
ਜੁਲਾਈ

ਪਾਠ-ਪੁਸਤਕਾਂ ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ (ਕਵਿਤਾ)
ਵਿਆਕਰਨ ਪਾਠ ਕਿਰਿਆ
ਵਿਆਕਰਨ ਅਣਡਿੱਠਾ ਵਾਰਤਕ ਪੈਰਾ, ਅਣਡਿੱਠੀ ਕਾਵਿ-ਟੁਕੜੀ

ਅਗਸਤ

ਪਾਠ-ਪੁਸਤਕਾਂ ਮੌਨਧਾਰੀ (ਇਕਾਂਗੀ)
ਵਿਆਕਰਨ ਚਿੱਤਰ ਵਰਨਣ, ਵਿਰੋਧੀ ਸ਼ਬਦ
ਲੇਖ ਵਿਚਾਰ-ਪ੍ਰਦਾਨ ਅਤੇ ਆਮ ਵਿਸ਼ੇ
ਪੱਤਰ ਦਫ਼ਤਰੀ ਪੱਤਰ

ਸਤੰਬਰ - ਦੁਹਰਾਈ
ਛਿਮਾਹੀ ਪਰੀਖਿਆ

ਅਕਤੂਬਰ

ਪਾਠ-ਪੁਸਤਕਾਂ ਸਾਂਝੀ ਕੰਧ (ਕਹਾਣੀ)
ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜ਼ੀਬ (ਕਵਿਤਾ)
ਬੇਬੇ ਜੀ (ਵਾਰਤਕ)

ਵਿਆਕਰਨ ਪਾਠ:ਵਿਸਮਿਕ
ਵਿਆਕਰਨ ਮੁਹਾਵਰੇ (ੳ, ਅ-ਅੱਖਰ ਨਾਲ ਸੰਬੰਧਤ)
ਲੇਖ ਵਿਚਾਰ-ਪ੍ਰਦਾਨ ਅਤੇ ਆਮ ਵਿਸ਼ੇ
ਪੱਤਰ ਦਫ਼ਤਰੀ ਪੱਤਰ

ਨਵੰਬਰ

ਪਾਠ-ਪੁਸਤਕਾਂ ਬੱਸ-ਕੰਡਕਟਰ (ਕਹਾਣੀ)
ਮਾਤਾ ਗੁਜਰੀ ਜੀ (ਕਵਿਤਾ)
ਸਿਰਜਣਾ (ਇਕਾਂਗੀ)
ਵਿਆਕਰਨ ਮੁਹਾਵਰੇ (ੲ, ਸ, ਹ- ਅੱਖਰਾਂ ਨਾਲ ਸੰਬੰਧਤ)
ਲੇਖ ਵਿਚਾਰ-ਪ੍ਰਦਾਨ ਅਤੇ ਆਮ ਵਿਸ਼ੇ
ਪੱਤਰ ਦਫ਼ਤਰੀ ਪੱਤਰ, ਨਿੱਜੀ ਪੱਤਰ

ਦਸੰਬਰ

ਪਾਠ-ਪੁਸਤਕਾਂ ਮੈਂ ਪੰਜਾਬੀ (ਕਵਿਤਾ)
ਖੁਸ਼ੀਆਂ ਆਪੇ ਨਹੀਂ ਆਉਂਦੀਆਂ (ਵਾਰਤਕ)
ਜਨਵਰੀ - ਦੁਹਰਾਈ
ਫਰਵਰੀ- ਪ੍ਰੀ-ਬੋਰਡ ਪਰੀਖਿਆ
ਮਾਰਚ - ਸਲਾਨਾ ਪਰੀਖਿਆ

MATHS

March/April : Chapter-1 Number System
: Chapter-2 Polynomials
May : Chapter-6 Lines & Angles
Periodic Test
June : Chapter-7 Triangles
: Chapter-3 Co-ordinate Geometry
July : Chapter-4 Linear Equations in two variables
: Chapter-8 Quadrilaterals
August : Chapter-12 Heron's Formula
: Chapter-11 Constructions
September : **Revision and exams**
October : Chapter-9 Area of parallelograms and Triangles
: Chapter-10 Circles
November : Chapter-13 Surface Areas and Volumes
: Chapter-14 Statistics
: Chapter-15 Probability
December : **Revision and Periodic test**
January : **Revision Test**
February : **Final Exams**

SCIENCE AND TECHNOLOGY

PHYSICS

March	:	Chapter-8	Motion
April	:	Chapter-8	Motion (contd.)
May	:	Chapter-9	Force and Laws of motion

Revision for Periodic Test-I

July	:	Chapter-9	Force and laws motion (Contd.)
August	:	Chapter-10	Gravitation
September	:	Revision and Half Yearly Exams	
October	:	Chapter-11	Work and energy
November	:	Chapter-12	Sound
December	:	Revision and Periodic Test-II	
January	:	Revision Exams	
February	:	Final Exams	

CHEMISTRY

March	:	L-1	Matter in our surroundings
April	:	L-1	Matter in our surroundings (contd.)
May	:	L-2	Is matter around us pure

Revision and Periodic Test - I

July	:	L-3	Atoms and molecules
August	:	L-3	Atoms and molecules (contd.)
September	:	Revision and Half Yearly Exams	
October	:	L-4	Structure of the Atom
November	:	L-4	Structure of the Atom (contd.)

December : Revision and Periodic Test - II

January : Revision Exams

February : Final Exams

BIOLOGY

March	:	L-5	The fundamental unit of life
April	:	L-5	The fundamental unit of life (contd.)
May	:	L-6	Tissues

Revision and Periodic Test-I

July	:	L-15	Improvement in food resources
August	:	L-7	Diversity in living organisms
September	:	Revision and Half Yearly Exams	
October	:	L-7	Diversity in living organisms (contd.)
		L-13	Why do we fall ill?
November	:	L-14	Natural resources
December	:	Revision and Periodic Test-II	
January	:	Revision Exams	
February	:	Final Exams	

List of Science Practicals (2022-2023)

Physics:

1. To verify the laws of reflection
2. To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.
3. To establish the relation between the loss in weight of a solid when fully immersed in a) tap water

b) strongly salty water, with the weight of water displaced by it taking at least two different solids.

4. To determine the velocity of a pulse propagated through a stretched string/ slinky.

Chemistry

1. Preparation of :
 - * True solution of common salt, sugar, alum
 - * Suspension of soil, chalk powder, fine sand in water
 - * Colloidal solution of starch and egg albumin in waterDistinguish these on the basis of Transparency, Filtration and Stability
2. Preparation of Mixture and Compound using iron filings and sulphur powder and distinct these on the basis of :
 - * Appearance
 - * Behaviour toward magnet
 - * Behaviour toward carbon disulphide
 - * Effect of heat
3. Separation of components of mixture of sand, common salt and ammonium chloride (or camphor)
4. Perform the following reactions and classify them as physical and chemical change :
 - * Iron with copper sulphate solution in water
 - * Burning of magnesium ribbon in air
 - * Zinc with dilute sulphuric acid
 - * Heating of copper sulphate crystals

* Sodium sulphate with barium chloride in form of their solution in water

5. Determination of melting point of ice and boiling point of water.
6. Verification of law of conservation of mass in a chemical reaction.

Biology:

1. Preparation of stained temporary mounts of : (a) Onion peel (b) Human cheek cell and to record observation and draw their diagrams.
2. Identification of Parenchyma, Collenchyma, Sclerenchyma tissues in plants and Striped, Smooth and Cardiac muscle fibre and Nerve cell in animals from prepared slide and draw their diagrams.
3. Study of characteristics of Spirogyra, Agaricus, Moss, Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and provide two identifying features of the group they belong to.
4. Observing given specimen of Earthworm, Cockroach, bony fish and Bird and draw and provide two identifying features of the group they belong to and their adaptive feature.
5. Study of external features of root, stem, leaf and flower of monocot and dicot plant.

Social Science

March

Economics : Ch-1 The Story of Palampur

April

History : Ch-1 The French Revolution

Geography : Ch-1 India-Size and location

Political Sci. : Ch-2 What is democracy? Why democracy?

Political Sci. : Ch-2 Constitutional design

May

Geography : Ch-2 Physical features of India

History : Ch-2 Russian Revolution

June

Geography : Ch-4 Climate

July

Economics : Ch-2 People as Resource

History : Ch-3 Nazism and Rise of Hitler

Geography : Ch-5 Natural Vegetation and Wildlife

August

Political Sci. : Ch-3 Electoral Politics

Ch-4 Working of Institutions

Economics : Ch-3 Poverty as a challenge

September

Revision for Term I and Mid-term Exams

October

Geography : Ch-6 Population

Political Sci. : Ch-5 Democratic rights

History : Ch-4 Forest society and colonialism

November

Geography : Ch-3 Drainage

Economics : Ch-4 Food Security

December - Periodic Exam

January - Revision Exam

February - Final Examination

COMPUTER SCIENCE

**BOOK: Domestic Data Entry Operator
(402- Information Technology)**

April (Theory)

Unit-I Communication Skills-I (**Part-A**)

Unit-2 Self-Management Skills-I (**Part-A**)

Unit-i Introduction to IT- ITeS industry (**Part-B**)

Practical

Practical Exercises related to skills covered.

May (Theory)

Unit-3 ICT Skills-I (**Part-A**)

Practical

Practical Exercises related to skills covered.

Revision and Periodic Test

July (Theory)

Unit-2 Data Entry & Keyboarding Skills (**Part-B**)

Practical

Practical exercises in Rapid Typing Tutor

August (Theory)

Unit-3 Digital Documentation (**Part-B**)

Practical

Practical exercises in Word Processor.

September

Revision and Examination

Practical Exam s

October (Theory)Unit-4 Electronic Spreadsheet **(Part-B)**Unit-4 Entrepreneurial Skills-I **(Part-A)****Practical** Practical exercises in Spreadsheet Package.**November (Theory)**Unit-5 Digital Presentation **(Part-B)**Unit-5 Green Skills-I **(Part-A)****Practical** Practical exercises in Presentation software.**December** Revision and Periodic test**January** Pre-boards**February** Final Written and Practical Exam**PHYSICAL EDUCATION AND SPORTS****March/April** Module 1 : Foundation of Physical Education

Session 1 : Understanding the Concept of Physical Education

Session 2 : Identifying Objectives of Physical Education

Session 3 : Identifying Standards of Physical Education

Session 4 : Understanding Scope and Trends in Physical Education

Session 5 : Identifying Opportunities in Physical Education Khelo India BMI

May

Module 2 : Health and Fitness

Session 1 : Understanding Concept of Health and Fitness

Session 2 : Understanding Growth and Development

Session 3 : Understanding the Structure of Human Body

Session 4 : Identifying Fundamental Movement Skills Khelo India balance and flexibility

June

A. Summer Coaching Camp

B. Practical copy work

July

Module 3 : Games and Spots

Session 1 : Performing Age-Appropriate Physical Activities

Session 2 : Fun with Sports Equipment and Props

Session 3 : Live with Yoga

Session 4 : Practice Sports Etiquettes

	Session 5 : Respect Laws and Rules of Games
	Khelo India speed and strength test
August	Module 4 : Developing an Athlete
	Session 1 : Understanding Hygienic Lifestyle
	Session 2 : Understanding Good Posture
	Session 3 : Teaching Safety Measures on Playground
	Session 4 Performing Basic First Aid
	Khelo India cardiovascular endurance test
September	Module 5 : Teaching-Learning
	Session 1 : Roles and responsibilities of a teacher
	Session 2 : Effective Communication
	Session 3 : Teach to Learn
	Session 4 : Developing Lesson Plans
	Khelo India BMI and flexibility
October	Module 6 : Managing Sports Events
	Session 1 : Learning to Mark Playing Field
	Session 2 : Learning to Prepare Fixture
	Session 3 : Mainaining Props and Equipment
	Khelo India coordination speed and strength test.
November	Module 7 : Food and Nutrition
	Session 1 : understanding Nutrients
	Session 2 : Balance your diet
	Session 3 : Understanding the Importance of Water
December	Revision of previous work
January	Final Practical, copy, viva and gradation
February & March	FINAL EXAMINATION

	ART & CRAFT
April	Animal Study
	Still Life
May	Calligraphy
July	Head Study
	Composition
August	Landscape
	Modern Art
September	Collage
October	Portrait Study
November	Cartoon Design
December	Life Study
January	Poster
February	Revision
March	Final Exams

MORAL SCIENCE

March	: L-1	The Power of Prayer
April	L-2	Making a great first impression
	: L-3	The art of living
May	: L-4	Loneliness
July	: L-5	Giving Praise
August	L-6	Active Listening
September	L-7	Three Word Phrases

Half-Yearly Exams

October:	: L-8	Decision Making
	: L-10	Time Management
November	: L-11	Anger Management
December	: L-9	Greed
January	: Periodic Test 1	
February	: Final exam	