

**HRGIS, Wadgaon****Academic Session 2021 – 22****Class :- 9<sup>th</sup>****Subject : - English**

<b>Sr. No.</b>	<b>Month / Working Days</b>	<b>Lesson / Chapter Name</b>	<b>Week – Wise Learning Objective</b>
1	April - 13	The Fun They Had	Week 1 Students will be able to :- Develop love for school and learning.
		The Road Not Taken	Week 2 :- Differentiate between spiritual and physical mind.
		Tenses	Week 3 :- Use the tenses properly.
		The Lost Child Modals	Week 4 :- Compare temporary satisfaction and permanent satisfaction. Express their views fluently.
2	June - 24	The Adventures of Toto Evelyn Glennie	Week 1 Students will be able to :- Develop sympathy for animals. Do the things with confidence.
		Bismillah Khan	Week 2 :- Know about history of Indian music.
		Wind	Week 3 :- Acquire life skills.
		Determiners	Week 4 :- Use the article properly.
3	July - 24	P.A. - I	Week 1 Students will be able to :- Exam
		The Little Girl	Week 2 :- They will Develop the feeling of fraternity.
		Rain on the Roof	Week 3 :- Appreciate the poetry.
		Letter writing	Week 4 :- Express their feelings through letter.
4	August - 22	Letter writing	Week 1 Students will be able to :- Write letter to the various authorities.
		Subject- Verb Agreement	Week 2 :- Use language correctly.
		Subject- Verb Agreement	Week 3 :- Speak English fluently.
		P.A. - II	Week 4 :- Exam.

5	September - 21	A Truly Beautiful Mind	Week 1 Students will be able to :- Develop scientific attitude.
		In the Kingdom of Fools	Week 2 :- Know judicial system.
			Week 3 :- Know judicial system.
		The Happy Prince	Week 4 :- Develop social awareness.
6	October - 21	Reported Speech Commands	Week 1 Students will be able to :- Convert commands into reported speech.
		Half yearly exam	Week 2 :- Exam
		Weathering the Storm in Ersama	Week 3 :- Take precaution in natural calamities.
		A Legend of the Northland	Week 4 :- Appreciate the poetry with poetic devices.
7	November - 13	Story Writing	Week 1 Students will be able to :- Compose an imaginary story.
		Diwali [Holidays]	Week 2 :- Diwali [Holidays]
		My Childhood	Week 3 :- Appreciate the great personalities.
		Packing	Week 4 :- Do their bag pack.
8	December - 24	Reach for the Top	Week 1 Students will be able to :- Do the things with confidence.
		P.A. - III	Week 2 :- Exam
		The Bond of Love A House is Not a Home	Week 3 :- Love animal / wild life. Help the needy in the society.
		The Last Leaf The Beggar	Week 4 :- Develop fraternity. Develop compassion for the sufferers.
9	January - 21	If I Were You	Week 1 Students will be able to :- Enjoy role playing. Enact the drama.
		Revision	Week 2 :- Revision
		Annual Exam	Week 3 :- Exam
			Week 4 :- Exam

10	February - 21		Week 1 Students will be able to
			Week 2 :-
			Week 3 :-
			Week 4 :-
11	March - 24		Week 1 Students will be able to
			Week 2 :-
			Week 3 :-
			Week 4 :-

**HRGIS, Wadgaon****Academic Session 2021 – 22****Class :- 9<sup>th</sup>****Subject : - Hindi**

<b>Sr. No.</b>	<b>Month / Working Days</b>	<b>Lesson / Chapter Name</b>	<b>Week – Wise Learning Objective</b>
1	April - 13	सन्देश लेखन	Week 1 Students will be able to :- Compose an imaginary message writing.
		अनुच्छेद लेखन	Week 2 :- Compose an imaginary passage writing.
		शब्द और पद	Week 3 :- Know about word formation.
		अर्थ की दृष्टी से वाक्य भेद	Week 4 :- Control their unnecessary expenditure. Analyses the data.
2	June - 24	धुल (गद्य)	Week 1 Students will be able to :- Develop self- confidence. Overcome the problems.
		दुख का अधिकार	Week 2 :- Develop social awareness.
		रैदास के पद	Week 3 :- Enjoy poetic language with poetic devices.
		बिहारी के दोहे	Week 4 :- Enjoy poetic language with poetic devices.
3	July - 24	P.A. - I	Week 1 Students will be able to :- Exam
		एवरेस्ट:मेरी शिखर यात्रा	Week 2 :- They will develop the feeling of fraternity.
		आदमी नामा (पद्य)	Week 3 :- Enjoy poetic language with poetic devices.
		औपचारिक पत्रलेखन	Week 4 :- Express their feelings through letter.
4	August - 22	गिल्लू-संचयन (गद्य)	Week 1 Students will be able to :- Know the country life in the rural area.
		तुम कब जाओगे अतिथि (गद्य)	Week 2 :- Write characterization. Construct the story in self narration.
		एक फूल की चाह (पद्य)	Week 3 :- Enjoy poetic language with poetic devices.
		P.A. - II	Week 4 :- Exam

5	September - 21	कीचड़ का काव्य (गद्य)	Week 1 Students will be able to :- Develop self- confidence. Overcome the problems.
		उपसर्ग-प्रत्यय	Week 2 :- Know about suffix skill.
		स्मृति - संचयन (गद्य)	Week 3 :- Develop social awareness.
		संवाद लेखन	Week 4 :- Know about communication skill.
6	October - 21	अनुस्वार,अनुनासिक	Week 1 Students will be able to :- Know about punctuation skill.
		Half yearly exam	Week 2 :- Exam
		भिन्नार्थक शब्द	Week 3 :- Write the phrases and idioms properly.
		पर्यायवाची-विलोम शब्द	Week 4 :- Write the synonyms word and antonyms properly.
7	November - 13	नारा लेखन	Week 1 Students will be able to :- Write the slogan writing properly.
		Diwali [holidays]	Week 2 :-
		हामिद खां -संचयन (गद्य)	Week 3 :- Help the needy in the society.
		शुक्र तारे के समान (गद्य)	Week 4 :- Do the things with confidence.
8	December - 24	नए इलाके में खुशबु रचते हैं हाथ	Week 1 Students will be able to :- Enjoy poetic language with poetic devices.
		P.A. - III	Week 2 :- Exam
		अपठित गद्यांश लेखन	Week 3 :- Make long sentences with various clauses.
		दिए जल उठे	Week 4 :- Understand the value of the sacrifices of Indian freedom fighters.
9	January - 21	लेखन विभाग	Week 1 Students will be able to :- Know about writing skill.
		Revision	Week 2 :- Revision
		Annual Exam	Week 3 :- Annual Exam
			Week 4 :- Annual Exam

10	February - 21		Week 1 Students will be able to :- Know about writing skill.
			Week 2 :-
			Week 3 :-
			Week 4 :-
11	March - 24		Week 1 Students will be able to :- Know about writing skill.
			Week 2 :-
			Week 3 :-
			Week 4 :-

**HRGIS, Wadgaon****Academic Session 2021 – 22****Class :- 9<sup>th</sup>****Subject : - Maths**

<b>Sr. No.</b>	<b>Month / Working Days</b>	<b>Lesson / Chapter Name</b>	<b>Week – Wise Learning Objective</b>
1	April - 13	Number Systems	Week 1 Students will be able to :- Introduction , Irrational number, Decimal expansion
			Week 2 :- Represent real number on number line
			Week 3 :- Operation on real number, laws of exponents for real number
		Polynomials	Week 4 :- Introduction, polynomials in one variable, zeroes of polynomial
2	June - 24	Polynomials	Week 1 Students will be able to :- Remainder theorem, factorization of polynomials, algebraic expressions
		Coordinate Geometry	Week 2 :- Introduction, Cartesian system
		Linear equation in two variables	Week 3 :- Solution of linear equation. graph of linear equation two variables
		Linear equation in two variables	Week 4 :- Equations of lines parallel to x-axis and y-axis
3	July - 24	P.A. - I	Week 1 Students will be able to :- Exam.
		Introduction to Euclid's geometry	Week 2 :- Introduction, Euclids definition, axioms and postulates
		Lines and angles	Week 3 :- Introduction, pairs of angles
		Lines and angles	Week 4 :- Lines parallel to the same line, angle sum property of a triangle

4	August - 22	Triangle	Week 1 Students will be able to :- Introduction, congruent triangles.
		Triangle	Week 2 :- Properties of triangle, Inequalities in a triangle
		Quadrilaterals	Week 3 :- Introduction, angle sum property of a quadrilateral
		P.A. - II	Week 4 :- Exam.
5	September - 21	Areas of parallelograms and triangles	Week 1 Students will be able to :- Introduction, Figures on the same base and between the same parallels,
		Areas of parallelograms and triangles	Week 2 :- Parallelograms on the same base and between the same parallels
		Circles	Week 3 :- Introduction, angle subtended by a chord at a point. Week 4 :- Circle through three points, equal chord,
6	October - 21	Circles	Week 1 Students will be able to :- Angle subtended by an arc, cyclic quadrilaterals
		Constructions	Week 2 :- Introduction, basic and triangle construction
		Heron's Formula	Week 3 :- Introduction, areas of a triangle , applications of Heron's formula
		Surface areas and volumes	Week 4 :- Surface area of cuboids and cube, cylinder
7	November - 13	Surface areas and volumes	Week 1 Students will be able to :- Surface area of cone, sphere
		Diwali [Holidays]	Week 2 :- [Holidays]
		Surface areas and volumes	Week 3 :- Volumes of cuboids , cylinder, cone, sphere
		Statistics	Week 4 :- Collection of data, graphical representation of data
8	December - 24	Statistics	Week 1 Students will be able to :- Measure of central tendency
		P.A. - III	Week 2 :- Exam
		Statistics	Week 3 :- Measure of central tendency
		Probability	Week 4 :- Introduction, experimental approach

9	January - 21	Probability	Week 1 Students will be able to :- Introduction, experimental approach
		Revision	Week 2 :- Revision
		Annual Exam	Week 3 :- Annual Exam
			Week 4 :- Annual Exam
10	February - 21		Week 1 Students will be able to :-
			Week 2 :-
			Week 3 :-
			Week 4 :-
11	March - 24		Week 1 Students will be able to :-
			Week 2 :-
			Week 3 :-
			Week 4 :-

<b>Sr. No.</b>	<b>Month / Working Days</b>	<b>Lesson / Chapter Name</b>	<b>Week - – Wise Learning Objective</b>
1	April - 13	Matter in our surrounding	Week - 1 Students will be able to Students will be able to Know :- Describe matter and the characteristics of the particles of matter :- Understand the differences between the various states of matter
			Week - 2 :- Evaluate the conditions for the interconversion of various states of matter. :- Explain latent heat of fusion and latent heat of vaporization. :- Discuss Evaporation and explain various factors influencing evaporation.
		The fundamental unit of life	Week - 3 :- Understand the importance of types of cells :- Explain the functioning of cell organelles :- Differentiate between osmosis and diffusion
			Week - 4 :- Draw various parts of a cell :- Compare between plant cell and animal cell
2	June - 24	Is matter around us is pure	Week - 1 Students will be able to : Calculate the solubility and concentration of the solution. :- Discuss homogeneous and heterogeneous mixtures with examples.
			Week - 2 :- Explain physical and chemical changes with example :- Describe the different types of solutions and their properties :- Understand the properties of True solution
		Motion	Week - 3 :- Get aware about meaning of rest and motion :- Differentiate between distance and displacement. :- Calculate the average speed in a given situation.
			Week - 4 :- State the examples of uniformly accelerated motion. :- Understand the difference between acceleration and retardation

3	July - 24	Tissue	<p>Week - 1</p> <p>Students will be able to</p> <ul style="list-style-type: none"> <li>:- Understand the meaning and concept of tissues</li> <li>:- Know meaning of tissue and its types</li> <li>:- Understand the structure and functions of meristematic and permanent tissues</li> </ul>
			<p>Week - 2</p> <ul style="list-style-type: none"> <li>:- Classify permanent tissues as simple and complex tissues</li> <li>:- Explain the functioning of various animal tissues</li> <li>:- Draw the shapes of various tissues</li> <li>:- Differentiate between cells and tissue</li> </ul>
		Force and laws of motion	<p>Week - 3</p> <ul style="list-style-type: none"> <li>:- Understand force and its effects</li> <li>:- Understand meaning of balanced and unbalanced forces</li> <li>:- Understand newton's laws and their applications in daily life.</li> <li>:- Explain the terms like inertia, impulse and momentum.</li> <li>:- Calculate force acting on an object, the momentum associated with any moving object.</li> </ul>
		P.A. - I	<p>Week - 4</p> <ul style="list-style-type: none"> <li>:- Explain the terms like inertia, impulse and momentum.</li> <li>:- Calculate force acting on an object, the momentum associated with any moving object.</li> </ul>
4	August - 22	Atoms and molecule	<p>Week - 1</p> <p>Students will be able to</p> <ul style="list-style-type: none"> <li>:- Discuss various ions and using them for writing chemical formula</li> <li>:- Calculate Molecular Mass and Molar Mass</li> </ul>
			<p>Week - 2</p> <ul style="list-style-type: none"> <li>:- Understand the significance of mole in terms of mass and number of particles</li> <li>:- Understand the significance of mole in terms of mass and number of particles.</li> </ul>
		Gravitation	<p>Week - 3</p> <ul style="list-style-type: none"> <li>:- To explain the applications of thrust and pressure.</li> <li>:- Understand the concept of flotation. relate Archimedes' principle with floating objects. understand the formula for work.</li> </ul>
		P.A. - II	<p>Week - 4</p> <ul style="list-style-type: none"> <li>:- Relate Archimedes' principle with floating objects.</li> <li>:- Understand the formula for work.</li> </ul>

5	September - 21	Diversity in Living animal	Week - 1 Students will be able to :- Understand the concept and importance of diversity :- Explain the method of classification
			Week - 2 :- Classify organisms into various groups on the basis of five kingdom classification :- Correlate different plant groups
		Structure of the atoms	Week - 3 :- Comprehend the existence of various sub atomic particles :- Explain Thomson's and Rutherford's model of an atom.
			Week - 4 :- Explain Bohr's model of an atom :- Understand the distribution of various electrons in shells :- Explain atomic number and mass number  :- Discuss the applications of Isotopes.
6	October - 21	Work and energy	Week - 1 Students will be able to :- Identify and list different types of energy.  :- Understand the phenomenon of transformation of energy
			Week - 2 :- Understand the relation between commercial and SI unit of energy.
		Why do we fall ill Half Yearly	Week - 3 :- Understand meaning of health  :- Correlate diseases with their symptoms and signs  :- Differentiate between acute and chronic disease  :- Classify various diseases into infectious and non-infectious diseases
			Week - 4 :- Correlate symptoms and organs :- Explain the principle of immunization :- Correlate vaccination and immunization

7	November - 13	Sound	<p>Week - 1</p> <p>Students will be able to</p> <ul style="list-style-type: none"> <li>:- Understand how the sound is produced and propogates</li> <li>:- Understand different types of waves and their characterstics</li> <li>:- Know about condition that is required for echo to take place</li> </ul>
			<p>Week - 2</p> <ul style="list-style-type: none"> <li>:- Understand the meaning of reverberation</li> <li>:- Comprehend the concept of ultrasound and its applications.</li> <li>:- Students will be able to solve numerical based on echo, SONAR etc</li> </ul>
		Natural resources	<p>Week - 3</p> <ul style="list-style-type: none"> <li>:- Signify the importance of various natural resources</li> <li>:- Explain the various modes of polluting the resources</li> <li>:- Classify the different pollutants of water and soil</li> <li>:- Differentiate between various agents of weathering</li> </ul>
			<p>Week - 4</p> <ul style="list-style-type: none"> <li>:- Understand the concept of carbon and oxygen recycling</li> <li>:- Explain the role of various organisms in recycling</li> <li>:- Correlate pollution and ozone depletion</li> <li>:- Classify the causes of ozone depletion</li> <li>recognize the pictures related to various sources</li> </ul>
8	December - 24	Improvement in food resources	<p>Week - 1</p> <p>Students will be able to</p> <ul style="list-style-type: none"> <li>:- Differentiate between manure and fertilizers</li> <li>:- Explain ways for crop variety improvement</li> <li>:- Explain the cropping patterns</li> </ul>
			<p>Week - 2</p> <ul style="list-style-type: none"> <li>:- Explain the importance of grain storage</li> <li>:- Know the meaning of animal husbandry</li> </ul>
		P.A. - III	<p>Week – 3</p> <ul style="list-style-type: none"> <li>:- Differentiate between indigenous and exotic variety of animals</li> <li>:- Differentiate between roughage and concentrate</li> <li>understand the concept of poultry farming</li> </ul>
			<p>Week - 4</p> <ul style="list-style-type: none"> <li>:- Explain the food requirement of poultry animals</li> <li>:- Understand the concept of composite fish culture and capture fishing</li> </ul>

9	January - 21	Revision	Week - 1 Students will be able to
			Week - 2 :- Revision
		Annual Exam	Week - 3 :- Annual Exam
			Week - 4 :- Annual Exam
10	February - 21	10 <sup>th</sup> New Session Start	Week - 1 Students will be able to :-
			Week - 2 :-
			Week - 3 :-
			Week - 4 :-
11	March - 24		Week - 1 Students will be able to
			Week - 2 :-
			Week - 3 :-
			Week - 4 :-

**HRGIS, Wadgaon****Academic Session 2021 – 22****Class :- 9<sup>th</sup>****Subject : - Sst.**

<b>Sr. No.</b>	<b>Month / Working Days</b>	<b>Lesson / Chapter Name</b>	<b>Week - – Wise Learning Objective</b>
1	April - 13	India - Size and Location	Week - 1 Students will be able to :- Understand India ' size and location
		What is Democracy? Why Democracy?	Week - 2 :- Find out differences between Democratic and non-democratic country
		The Story of village Palampur	Week - 3 :- Understand village life
		The story of village Palampur	Week - 4 :- Different types of villages
2	June - 24	The French Revolution	Week - 1 Students will be able to :- Understand social condition before Revolution
			Week - 2 :- Impact of French Revolution
		Physical Features of India	Week - 3 :- Understand Physical Features of India
		Constitutional Design	Week - 4 :- Understand about our constitution
3	July - 24	P.A. - I	Week - 1 Students will be able to :- Exam
		Socialism in Europe and the Russian Revolution	Week - 2 :- Understand social structure of Europe
			Week - 3 :- Impact of Russian Revolution
		People as Resources	Week - 4 :- Different economic activities
4	August - 22	Drainage	Week - 1 Students will be able to :- Understand river systems
		Poverty as challenge	Week - 2 :- Understand about poverty line
			Week - 3 :- Different economic conditions
		P.A. - II	Week - 4 :- Exam.

5	September - 21	Nazism and the Rise of Hitler	Week - 1 Students will be able to :- Understand about Nazism
			Week - 2 :- Hitler's policy about other people
		working of Institutions	Week - 3 :- Three organs of Govt.
		Climate	Week - 4 :- Understand about weather and Climate
6	October - 21	Climate	Week - 1 Students will be able to :- Monsoon season
		Half yearly exam	Week - 2 :- Exam
		Postoralist in the Modern World	Week - 3 :- To know about Tribal Communities
		Democratic Rights	Week - 4 :- Understand about Democratic Rights
7	November - 13	Democratic Rights	Week - 1 Students will be able to :- Importance of Democratic Rights
		Diwali [ Holidays ]	Week - 2 :- Diwali [ Holidays ]
		Natural vegetation and Wildlife	Week - 3 :- Understand Ecosystem
			Week - 4 :- Importance of Natural Vegetation
8	December - 24	Food Security in India	Week - 1 Students will be able to :- Importance of Food Security
		P.A. - III	Week - 2 :- Exam
		Food Security in India	Week - 3 :- India's PDS System
		Population	Week - 4 :- Population composition
9	January - 21	Population	Week - 1 Students will be able to :- Population distribution
		Revision	Week - 2 :- Revision
		Annual Exam	Week - 3 :- Annual Exam
			Week - 4 :- Annual Exam

10	February - 21		Week - 1 Students will be able to
			Week - 2 :-
			Week - 3 :-
			Week - 4 :-
11	March - 24		Week - 1 Students will be able to
			Week - 2 :-
			Week - 3 :-
			Week - 4 :-

**HRGIS, Wadgaon****Academic Session 2021 – 22****Class :- 9<sup>th</sup>****Subject : - Computer**

<b>Sr. No.</b>	<b>Month / Working Days</b>	<b>Lesson / Chapter Name</b>	<b>Week - – Wise Learning Objective</b>
1	April - 13	Communication Skills-1	Week - 1 Students will be able to :- Know what is communication cycle
			Week - 2 :- Know the methods of communication skills
			Week - 3 :- Understand perspectives communication
			Week - 4 :- Understand and use the writing skills
2	June - 24	Communication Skills-1	Week - 1 Students will be able to :- Revision
		Self-Management skills-1	Week - 2 :- Understand what is positive Effect of self management.
			Week - 3 :- Know self management
			Week - 4 :- Show self confidence
3	July - 24	P.A. - I	Week - 1 Students will be able to :- EXAM
		Information an communication technology skills-1	Week - 2 :- Understand Importance of ICT
			Week - 3 :- Know the use of ICT tools
			Week - 4 :- Know about of components of computer system
4	August - 22	Information an communication technology skills-1	Week - 1 Students will be able to :- Know about operating system
		Entrepreneurial Skills-1	Week - 2 :- Know The Importance of Entrepreneurship
			Week - 3 :- Use Entrepreneurial skill
		P.A. - II	Week - 4 :- EXAM

5	September - 21	Entrepreneurial Skills-1	Week - 1 Students will be able to :- Know the types of business, Know about Entrepreneurship Development program
		Green Skills-1	Week - 2 :- Know Green skills
			Week - 3 :- Know what is Ecosystem
			Week - 4 :- Know the importance of Green Economy
6	October - 21	Introduction to IT-ITeS Industry	Week - 1 Students will be able to :- Know Hardware and Software
		Half yearly exam	Week - 2 :- EXAM
		Introduction to IT-ITeS Industry	Week - 3 :- Know the use of Computer
			Week - 4 :- Know about types of computer, Know about convergence of technology
7	November - 13	Data entry and keyboarding skills	Week - 1 Students will be able to :- Know the basic of key typing
		Diwali [Holidays]	Week - 2 :- Diwali [Holidays]
		Data entry and keyboarding skills	Week - 3 :- Use the software of touch typing
		Digital Documentation	Week - 4 :- Know about Introduction to Libber Office
8	December - 24	Digital Documentation	Week - 1 Students will be able to :- Know how to format document
		P.A. - III	Week - 2 :- Exam
		Electronic spreadsheet	Week - 3 :- Know what is spreadsheet
			Week - 4 :- Know about charts
9	January - 21	Digital Presentation	Week - 1 Students will be able to :- Know what is digital presentation
			Week - 2 :- insert, design and save the slide
		Annual Exam	Week - 3 :- Exam
			Week - 4 :- Exam

10	February - 21		Week - 1 Students will be able to :-
			Week - 2 :-
			Week - 3 :-
			Week - 4 :-
11	March - 24		Week - 1 Students will be able to :-
			Week - 2 :-
			Week - 3 :-
			Week - 4 :-