



**Annual Planner 2021-22**

**CLASS - VII**

<b>SUBJECT – MATHS</b>						
<b>Month</b>	<b>No. of working days</b>	<b>Name of the chapter</b>	<b>Topic / Sub topic</b>	<b>No of periods</b>	<b>TL resources</b>	<b>Mode of assessment</b>
APRIL	17	Ch:1 Integers Ch: 3Data handling	properties of integers and questions based upon it. Tally, frequency, class interval and bar graph.	13 4	NCERT Mathematics book, worksheet and chapter related YouTube video link	exercise of the chapter, oral questions and definitions in online class, Weekly quiz and homework questions
MAY	No class					
JUNE	11	Ch:3 Data handling Ch:14 Symmetry	symmetric figure and line of symmetry.	6 5	NCERT Mathematics book, worksheet and chapter related YouTube video link	exercise of the chapter, oral questions and definitions in online class, Weekly quiz and homework questions
JULY	25	Ch:13 exponent and powers Ch:4 simple equation Ch:2 Fraction and decimal	rules of exponents and powers. Scientific notation, how to form an equation and how to solve it. Definition of fraction and decimal conversion of fractions to decimal and decimal to fraction.	10 10 5	NCERT Mathematics book, worksheet and chapter related YouTube video link	exercise of the chapter, oral questions and definitions in online class, Weekly quiz and homework questions
AUGUST	23	Ch:2 fraction and decimal Ch:8 comparing quantities	Cost price, selling price, profit and loss and questions	8 10	NCERT Mathematics book,	exercise of the chapter, oral questions and



**Annual Planner 2021-22**

		Ch:9 rational numbers	based upon it. Definition of rational numbers and properties of rational number ,simplest form of rational number and questions based upon it.	5	worksheet and chapter related YouTube video link	definitions in online class, Weekly quiz and homework questions
SEPTEMBER	25	Ch:9 Rational numbers Ch:12 Algebras expressions Ch:5 Lines and angles	algebraic expressions and identities ,questions based upon identities. Definition of line ,ray ,line segment and types of angles and questions based upon it.	8 10 7	NCERT Mathematics book, worksheet and chapter related YouTube video link	exercise of the chapter, oral questions and definitions in online class, Weekly quiz and homework questions
OCTOBER	17	Ch : 6 The triangle and its properties Ch:7 Congruence of triangle	types of triangle, interior angle, exterior angle. And also congruence of triangle.	11 6	NCERT Mathematics book, worksheet and chapter related YouTube video link	exercise of the chapter, oral questions and definitions in online class, Weekly quiz and homework questions
NOVEMBER	20	Ch:11 Perimeter and area Ch:10 Practical Geometry	formula of perimeter and area of rectangle and square and word problems based upon it.Construct triangle with the help of given sides and angles.	15 5	NCERT Mathematics book, worksheet and chapter related YouTube video link	exercise of the chapter, oral questions and definitions in online class, Weekly quiz and homework questions
DECEMBER	19	Ch:10 Practical geometry	construct different type of triangles.	10	NCERT Mathematics book, worksheet and chapter related YouTube video link	exercise of the chapter, oral questions and definitions in online class, Weekly quiz and homework questions



**Annual Planner 2021-22**

JANUARY	21					
FEBRUARY	19					
MARCH						

**SUBJECT- ENGLISH**

April	17	1. Of magic lamps and genies 2. On the grasshopper and cricket 3. The luncheon	Comprehend the meaning of the poem and question answers of the text. Search and give presentations. Appreciate the symbolism used in poems and chapters also. Conduct simulations using props, revise and practicing modals.		Main course book 📖 of English, Picture of the grasshopper 🦗 and the cricket.	Value based questions, long and short questions, exercise of the chapter, Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
May	No class					
June	11	4. Somebody's mother 5. Father's help (Grammar book) Notice writing and message writing	Write a notice to understand the difference between as and like.		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter, Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
July	25	6. Binya's Blue umbrella 7. Just me 8. The boy with a catapult	Answer questions based on the text, listen to a passage and answer questions.		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter,



**Annual Planner 2021-22**

		(Grammar book-) Letter writing, article and speech writing.	Understand the difference between make and do.  Period test 1- Revision			Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
August	23	9. Adrift at sea 10. The face on the wall Debate writing	Skim the text for specific information. Revise and practise exercise on comma and colon.		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter, Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
September	25	11. As I grew older 12. When the furniture went mad 13. All the world's a stage (Grammar book) E-mail, diary writing newspaper report story writing	Compose a dialogue. Answer questions based on the text. Listen carefully to the situation and acting accordingly.  Half-yearly revision commence.		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter, Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
October	17	14. The hunt Grammar book- Determiners, adjectives adverbs	Answer questions based on the text. Listen carefully to a passage. Appreciate the Chapter.		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter, Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
November	20	15. Shillong The Rock capital of India grammar book tenses, modal active and passive voice.	Answer questions based on the text. Prepare a brochure. Play a knowledge quiz.		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter,



**Annual Planner 2021-22**

			Revise and practice types of participles. Research and compile information in a project.			Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
December	19	16. To be a lady Grammar book ( reported speech preposition clauses)	Read to comprehend. Understand and identify metonymy. Rewrite a play as a story. Learn about common grammatical errors. Make improvements to everyday products.  (Revision of periodic test-2)		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter, Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
January	21	Grammar book ( editing omission and jumbled words)	Jumbled the words and make specific meaningful sentences.		Main course book, YouTube links	Value based questions, long and short questions, exercise of the chapter, Oral questions (MCQs) during online classes, homework assignments, Weekly Quiz
February	19	Revision of annual examination	Revision of annual examination.			
March		Commencement of annual examination				



**Annual Planner 2021-22**

**SUBJECT- SCIENCE**

Month	No. of working days	Name of the chapter	Topic / Sub topic	No of periods	TL resources	Mode of assessment
April	17	Chapter-1.Nutrition in Plants	Nutrition and its types, Autotrophic nutrition in plants , Heterotrophic nutrition , Saprotrophs, Replenishing nutrients in the Soil.	05	Living Science Book.	Weekly quiz, assignment,
		Chapter-2.Nutrition in Animals	Nutrition in Amoeba, Hydra and frog , The human digestive System , Ruminants .	05		
		Chapter-3-Structure of Matter	What is matter made up of ?, Elements and Compounds, Mixture, Tools for Chemical Communication- Symbols, Formulae and Chemical equations	06		
June	11	Chapter-4-Animal Fibre	Climate and Clothes, Natural Fibre, Wool, Silk .	05	Living Science Book.	Weekly quiz, assignment , Pre-Mid Term Examination .
		Chapter-5-Heat and its Effect	Heat, Effect of heat ,Expansion in solids, in liquids and gases , Temperature and its measurement.	06		
July	25	Chapter-6-Flow of heat	Conduction, Convection, Radiation.	08	Living Science Book.	Weekly quiz, assignment
		Chapter-7-Acid, Bases, and Salt	Acid and Bases ,Properties of acid and bases, The preparation and uses of salts.	08		



**Annual Planner 2021-22**

		Chapter-8-Physical and Chemical Changes	Physical and Chemical Changes, Characteristics of chemical reactions , Types of Chemical reaction , Separating a solid from a solution	09		
August	23	Chapter-9-Weather, Climate and Adaptation.	Weather, Climate, Effect of the sun on Climate, Climate and adaptation .	08	Living Science Book.	Weekly quiz, assignment
		Chapter-10-Soil	Composition of Soil, Formation of soil, Soil profile, Types of soil, Properties of soil. Soil and Crops, Soil as a natural resource.	09		
		Chapter-11-Respiration	Respiration in plants, Respiration in animals, The respiratory system in humans , Types of respiration .	06		
September	23	Chapter-12-Transportation of materials in plants and Animals.	Transportation of Materials in plants , Transportation of materials in animals , Excretion in animals and humans .	06	Living Science Book.	Weekly quiz, assignment
		Revision		17		Mid-Term Examination
October	17	Chapter-13-Reproduction in Plants	Asexual reproduction in plants, Vegetative reproduction , Artificial methods of Vegetative reproduction , Sexual reproduction .	08	Living Science Book.	Weekly quiz, assignment
		Chapter-14-Motion and Time	Standard Units, Measurement of time , Speed, Uniform motion. Non-Uniform motion, Distance –time graph.	09		
November	20	Chapter-15-Winds, Storms and Cyclones	Natural disasters , Air pressure, High speed wind causes reduced pressure, Air expands on heating , Wind currents ,	06	Living Science Book	Weekly quiz, assignment



**Annual Planner 2021-22**

		Chapter-16-Light	Thunderstorms, Cyclones and tornadoes, Cyclone forecasting and warning.  Rectilinear propagation of light , Reflection of light , Real and Virtual images, Spherical mirrors , Lenses , Spectrum	07		
		Chapter-17- Electric Current and its effects.	Electric Current and Circuit , Effect of Electric Current , The Electromagnet .	07		
December	19	Chapter-18-Water-A Natural Resource	Our Natural Resources, Renewable and non- renewable resources, Water- a renewable resource, Shortages of Water, States of water, The Water Cycle, Groundwater, Water Conservation .	07	Living Science Book	Weekly assignment, quiz, Post Mid Term Examination
		Chapter-19-Our Forests	Forest Wealth , Producers, Consumers and decomposers , Food chain, Balance in nature, Forest conservation .	06		
		Chapter-20-WasteWater Management	Wastewater and sewage , Importance of drainage and sanitation , The Sewage System, Sewage Treatment , Alternate sewage disposal methods.	06		
January	25	Revision	Chapter- 11,12,13,14,15			
February	24	Revision	Chapter-16,17,18,19,20			
March						Annual Examination





**Annual Planner 2021-22**

**SUBJECT- SOCIAL SCIENCE**

April	17	1. On Equality 2. Role of the Government in Health 3. How the State Government Works	Equal Right to Vote Other kinds of equality Recognising dignity Equality in Indian democracy Issues of equality in other democracies  Under the public health system, quality health care services are provided either free or at a low cost, so that even the poor can seek treatment. Under this system, the action is also taken to prevent the spread of diseases like Tuberculosis, malaria, jaundice, cholera, diarrhoea, chikungunya, etc.  Government works at three levels- national, state and local. In states, it is the MLA (Member of Legislature Assembly) who represents the people.	6  5  6	NCERT textbooks  Self prepared PowerPoint Presentations. Notes prepared in the form of PDFs	Class and home assignments, activities & weekly quizzes, revision tests and the internal exams as per the schedule of the school
May	No class					
June	11	1. Environment 2. Inside Our Earth	Environment: → Natural: Air (Atmosphere), Water (Hydrosphere), Land (Lithosphere), Living things (Biosphere). → Human interactions: Individual, Family, Society, Religion, Education, Political Situation, Economic. → Human made: Parks, Buildings, Bridges, Roads, Industries, Monuments.	5  6	NCERT textbooks  Self prepared PowerPoint Presentations. Notes prepared in the form of PDFs	Class and home assignments, activities & weekly quizzes, revision tests and the internal exams as per the schedule of the school



**Annual Planner 2021-22**

			<p>The earth is made up of three concentric layers-crust, mantle and core.</p> <p>The uppermost layer over the earth's surface is called the crust.</p> <p>The oceanic crust mainly consists of silica and magnesium called sima</p>			
July	25	<p>1. Tracing Changes through a Thousand Years</p> <p>2. New Kings and Kingdoms</p> <p>3. The Delhi Sultans</p> <p>4. The Mughal Empire</p> <p>5. Rulers and Buildings</p>	<p>New and Old Terminologies.</p> <p>Historians and their Sources.</p> <p>New Social and Political Group.</p> <p>Regions and Empires.</p> <p>Old and New Religions.</p> <p>Historical Periods.</p> <p>The Emergence of New Dynasties.</p> <p>Administration in the Kingdoms.</p> <p>Prashastis and Land Grants.</p> <p>Warfare for Wealth.</p> <p>The Cholas.</p> <p>The Rulers of Delhi</p> <p>Finding out about the Delhi Sultans</p> <p>Expansion of the Delhi Sultanate</p> <p>Administration under the Khaljis and Tughlaqs</p> <p>The Sultanates during the 15th and 16th centuries</p> <p>Who were the Mughals?</p> <p>Military Campaigns of the Mughals and the Mughal Emperors</p>	<p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p>	<p>NCERT textbooks</p> <p>Self prepared PowerPoint Presentations.</p> <p>Notes prepared in the form of PDFs</p>	<p>Class and home assignments, activities &amp; weekly quizzes, revision tests and the internal exams as per the schedule of the school</p>



**Annual Planner 2021-22**

			<p>The relationship between the Mughals and other rulers</p> <p>a. Mansabdars and Jagidars</p> <p>b. Zabt and Zamindars</p> <p>c. Akbar's Policies</p> <p>The Mughal Empire in the 17th century and after</p> <p>Engineering Skills and Construction. Buildings, Temples, Mosques and Tanks.</p> <p>Why Were Temples Destroyed?</p> <p>Gardens, Tombs and Forts.</p> <p>Region and Empire.</p> <p>Superstructure: It refers to the part of a building above the ground floor.</p>			
August	23	<p>3. Our Changing Earth</p> <p>4. Air</p> <p>5. Water</p> <p>6. Natural Vegetation and Wildlife</p>	<p>Why do the plates move?</p> <p>What are exogenic and endogenic forces?</p> <p>What is erosion?</p> <p>How are flood plains formed?</p> <p>What are sand dunes?</p> <p>How are beaches formed?</p> <p>Composition of the Atmosphere</p> <p>Weather and Climate</p> <p>Structure of the Atmosphere</p> <p>a. Troposphere</p> <p>b. Mesosphere</p> <p>c. Stratosphere</p> <p>d. Mesosphere</p>	<p>6</p> <p>5</p> <p>6</p> <p>6</p>	<p>NCERT textbooks</p> <p>Self prepared PowerPoint Presentations.</p> <p>Notes prepared in the form of PDFs</p>	<p>Class and home assignments, activities &amp; weekly quizzes, revision tests and the internal exams as per the schedule of the school</p>



**Annual Planner 2021-22**

			<p>e. Thermosphere f. Exosphere</p> <p>How much water is available Types of water Groundwater as an important source of water Depletion of the water table Increasing population Distribution of water</p> <p>1.Categories of Natural Vegetation a.Forests I. Tropical Evergreen Forests II. Tropical Deciduous Forests III. Temperate Evergreen Forests IV. Temperate Deciduous Forests V. Mediterranean Vegetation VI. Coniferous Forests b.Grasslands I. Tropical Grasslands L II. Temperate Grasslands III. Thorny Bushes c.Shrubs</p>			
September	25	<p>4. Growing up as Boys and Girls 5. Women Change the World 6. Understanding Media Revision</p>	<p>Growing up in Samoa in the 1920s Growing up male in Madhya Pradesh in the 1960s Lives of domestic workers Women's work and equality</p>	<p>6 6 6</p>	<p>NCERT textbooks  Self prepared PowerPoint Presentations.</p>	<p>Class and home assignments, activities &amp; weekly quizzes, revision tests and the internal exams as per the schedule of the school</p>



**Annual Planner 2021-22**

			<p>Who does the work? Fewer opportunities and rigid expectations Learning for change Schooling and education today Women's movement Campaigning</p> <p>Media and Technology Media and Money Media and Democracy Setting Agendas</p>	7	Notes prepared in the form of PDFs	
October	17	<p>7. Markets Around Us 7. Human Environment – Settlement, Transport and Communication 8. Human Environment Interactions – The Tropical and the Subtropical Region</p>	<p>Weekly market Shops in the neighbourhood Shopping complexes and malls Chain of markets Markets everywhere Markets and equality</p> <p>What is a settlement and what are the types of settlement Modes of Transportation- Roadways, Railways, Waterways and Airways What is Communication</p> <p>The Life in the Amazon Basin a. Climate b. Rainforests c. People of the Rainforests Life in the Ganga – Brahmaputra Basin a. Vegetation</p>	<p>5</p> <p>6</p> <p>6</p>	<p>NCERT textbooks</p> <p>Self prepared PowerPoint Presentations. Notes prepared in the form of PDFs</p>	<p>Class and home assignments, activities &amp; weekly quizzes, revision tests and the internal exams as per the schedule of the school</p>



**Annual Planner 2021-22**

			b. Wildlife c. Cities & Tourism			
November	20	9. Life in the Deserts 6. Towns, Traders and Craftspersons 7. Tribes, Nomads and Settled Communities	The Hot Sahara Desert a. Climate b. Flora and Fauna c. People The Cold Desert – Ladakh a. Flora and Fauna b. Climate c. People  Temple towns and pilgrimage centres. The emergence of small towns, small and big traders. Craftsmanship in town. The architecture of Hampi, Masulipatnam and Surat. A Gateway to the West: Surat  Tribal societies. Who were tribal people? How Nomads and Mobile People Lived? New Castes and Hierarchies. The Gonds and the Ahoms.	6 7 7	NCERT textbooks  Self prepared PowerPoint Presentations. Notes prepared in the form of PDFs	Class and home assignments, activities & weekly quizzes, revision tests and the internal exams as per the schedule of the school
December	19	8. Devotional Paths to the Divine 9. The Making of Regional Cultures Map Practice	The idea of a Supreme God. The Nayanars and the Alvars. Basavanna's Virashaivism. The Saints of Maharashtra. Nathpanthis, Siddhas and Yogis. Islam and Sufism.	8  8 3	NCERT textbooks  Self prepared PowerPoint Presentations.	Class and home assignments, activities & weekly quizzes, revision tests and the internal exams as per the schedule of the school



**Annual Planner 2021-22**

			<p>New Religious Developments in North India.</p> <p>The Cheras and the development of Malayalam.</p> <p>The Jagannatha Cult.</p> <p>The Rajputs and traditions of Heroism.</p> <p>The story of Kathak.</p> <p>The Tradition of Miniatures.</p> <p>Growth of a regional language and development of temples in Bengal.</p>		Notes prepared in the form of PDFs	
January	21	<p>10. Eighteenth Century Political Formations</p> <p>8. A Shirt in the Market</p> <p>9. Struggles for Equality</p> <p>Revision</p>	<p>The crisis of the Empire and the Later Mughals.</p> <p>The emergence of new states.</p> <p>The Old Mughal Provinces.</p> <p>The Watan Jagirs of the Rajputs.</p> <p>Independence of the Sikhs, Jats and the Marathas.</p> <p>A cotton farmer in Kurnool</p> <p>The cloth market of Erode</p> <p>The garment exporting factory near Delhi</p> <p>A shirt in the United States</p> <p>Who are the gainers in the market?</p> <p>Market and Equality</p> <p>Struggles for Equality</p> <p>Tawa Matsya Sangh</p> <p>The Indian Constitution as a living document</p>	<p>8</p> <p>7</p> <p>6</p>	<p>NCERT textbooks</p> <p>Self prepared PowerPoint Presentations.</p> <p>Notes prepared in the form of PDFs</p>	<p>Class and home assignments, activities &amp; weekly quizzes, revision tests and the internal exams as per the schedule of the school</p>



**Annual Planner 2021-22**

February	19	Revision		19		
March		Annual Examination				

Subject – Computer						
Month	No. of working days	Name of the chapter	Topic / Sub topic	No of periods	TL resources	Mode of assessment
April	17	Computer Virus	Computer Virus, Malware, E-Mail Virus, Ransomware Virus, Antivirus Program, Precautions against computer virus	8	Prescribed Book in the syllabus	Quiz based on the contents of the chapter
May	17			8		
June	11	Number System	Introduction to Number System, Types of Number System, Conversion to and from other Number System, Bits and Bytes	8		Quiz based on the contents of the chapter
July	25	HTML - Introduction	Introduction to HTML, History of HTML, Features, Different tags used in programming, text editors, web browsers	8		Quiz based on the contents of the chapter
August	23	HTML - Creating Web Page	Creating and Saving web page, Basic HTML Tags, Displaying web page in a web browser, modifying paragraph text, heading tags, Formatting Text	8		REVISION FOR HALF YEARLY EXAM





**Annual Planner 2021-22**

Sept	25	HTML - Images, Links & Table	Images in Web page, inserting images, Creating List, Links in web page, Creating Links, Tables in web page, Creating a Table	8		HALF YEARLY EXAM
Oct	17	HTML - Form, Multimedia & CSS	Creating Forms, Setting up a Form, Creating Textbox, password, text area, checkboxes, radio buttons, list box and submit button. Adding multimedia: Audio and Video CSS, Inline, Internal and External Style sheets, Applying rules using these techniques	8		Quiz based on the contents of the chapter
Nov	20	E- Commerce & Blogging	Definition of E-Commerce, Advantages, E-Commerce Business Models, E-Retailing, Security Concern, E-Commerce Website, Blogging, Use of blogs,	8		Quiz based on the contents of the chapter
Dec	19	Internet - Ethics and Safeguard	Internet, Terms related to internet, Protecting yourself from potential Threats on the web, Role of parents and Teacher	8		Quiz based on the contents of the chapter
Jan	25	GIMP - Introduction	Introduction to GIMP, Features of GIMP, Starting and working with GIMP, Different tools and color modes used in GIMP, Filters in GIMP	8		Quiz based on the contents of the chapter



**Annual Planner 2021-22**

Feb	24	GIMP - Layers and Filters	Layers in GIMP, Layer dialog Panel, Creating and Adding Layers, Working with layers: Hiding, moving, duplicating, reordering, merge, transform etc.	24		
March	24	ANNUAL EXAMS		24		