COLUMBUS PUBLIC SCHOOL, RUDRAPUR
ANNUAL PROGRESSION 2021-22
CLASS – VII
SCIENCE

MONTH	CHAPTER	ACTIVITY
APRIL	• Nutrition in plants	• To test the presence of starch in leaves. • To show that photosynthesis takes place only in green portion of plants.
	• Nutrition in animals	• To observe the effect of saliva on food. • To observe the permanent slide of amoeba. • Role play with children.
MAY	• Fibre to fabric	• To collect the pictures and samples of animals and plants from which fibre is produced. • Paste samples of fibres in the notebook. • To identify different types of silk by their texture and Lusture.
	• Heat	• To give a reliable judgement about the hotness and coldness of a body. • To measure the temperature of water using laboratory thermometer. • To show the transfer of heat by conduction and convection. • To show that black bodies are better heat absorbers and radiators than the white bodies.
JULY	• Acids bases and salts	• To test the effect of acidic and basic solutions on given litmus paper. • To demonstrate the neutralisation reaction.
	• Physical and chemical changes	• To study the burning of a magnesium ribbon. • To obtain the crystals of copper sulphate from its saturated solution.
	• Soil	• To determine the percolation rate of water. • To study the water retention capacity of various soils. • To observe the presence of moisture in a soil sample.
AUGUST	• Weather, climate and adaptations of animals to climate	• To observe the change in daily weather for one week.
	• Respiration in organisms	• To measure the change in size of chest during breathing. • To make a model and demonstrate the mechanism of breathing. • To show that exhaled air contains CO2.
	• Transportation in animals and plants	• To make a model of stethoscope. • To find the pulse rate at rest and after exercise.

SEPTEMBER	• Reproduction in plants	• To observe budding in yeast. • To observe spores in Rhizopus. • To grow a new plant from a modified underground stem. • To observe the reproductive parts of a flower.
	• Revision/ Half Yearly Examination	
OCTOBER	• Winds, storms and cyclones	• To show that air exerts pressure. • To show that air expands on heating.
	• Motion and time	• To find the time period of a simple pendulum.
	• Electric current and its effects	• To observe the heating effect of electric current. • To observe the magnetic effect of electric current. • To make an electromagnet. •
NOVEMBER	• Light	• To show light travels in a straight line. • To study the features of image formed by plane mirrors. • To study the nature of image formed by concave and convex mirror. • To show the phenomena of dispersion of light. • To construct Newton's disc.
DECEMBER	• Water a precious resource	• To construct a model of rain water harvesting. • Study of water cycle.
	• Forest-our lifeline	• To watch the trees around and nearby park in your home and find out their common and local name. • To observe the characteristics (height, types of leaves, shape of crown) of different trees.
JANUARY	• Waste water story	• To conduct a contaminant survey in an open drain/ manhole in nearby area. • To understand the process of filtration in a WWTP.
FEBRUARY	• Revision	
MARCH	• Revision/Annual Examination	

COLUMBUS PUBLIC SCHOOL, RUDRAPUR
ANNUAL PROGRESSION 2021-22
CLASS – VII
SANSKRIT

माह	प्रकरण	क्रियात्मक गतिविधि
अप्रैल	• सुभाषितानि **पाठ** • दुर्बुद्धिः विनश्यति	• तीनों लिगों के बारे में जानेगें • कहानी निर्माण काल्पनिक विधि द्वारा
मई	• स्वालम्बनम् • हास्य बाल कवि सम्मेलनम्	• संस्कृत में समय का ज्ञान • आशु कविता का निर्माण करने जानेंगें
जुलाई	• **पण्डिता रमाबाई** • सदाचारः	• पण्डिता रमाबाई के जीवन के बारे में परिचर्चा • वृत्तचित्र के माध्यम से वाक्य निर्माण
अगस्त	• सकल्पंः सिद्विदायकः • त्रिवर्णः ध्वजः	• धातु रूप का ज्ञान • राष्टध्वज के बारे में जानेगें
सितंबर	• पुनरावृत्ति/अर्द्ववार्षिक परीक्षा	
अक्ट्बर	• अहमपि विद्यालयं गमिष्यामि • विश्वबन्धुत्वम्	• बेटी बचाओ बेटी पढाओ विषय पर परिचर्चा विभक्ति के प्रयोग से वाक्य निर्माण करना जानेगें
नवंबर	• समवायो हि दुर्जयः • विद्याधनम्	• भूतकाल क्रिया से वाक्य निर्माण का ज्ञान • विद्या के महत्व के बारे में परिचर्चा
दिसंबर	• अमृतं संस्कृतम्	• चित्र वर्णन करना सीखेगें • विभक्ति परिवर्तन जानेगे
जनवरी	• अनारिकायाः जिज्ञासा	• चित्र वर्णन करना सीखेगें • विभक्ति परिवर्तन जानेगे
फरवरी	• पुनरावृत्ति	
मार्च	• अभ्यास कार्य/वार्षिक परीक्षा	

COLUMBUS PUBLIC SCHOOL, RUDRAPUR
ANNUAL PROGRESSION 2021-22
CLASS – VII
MATHEMATICS

MONTH	CHAPTER	ACTIVITY
APRIL	• Integers • Fraction and Decimals	• Operations of integers on a no. line. • Paper cutting activity or Shading
MAY	• Data Handling • Simple Equations	• To do a survey and prepare a bar graph
JULY	• Lines and Angles • Triangles and its Properties	• Corresponding angles and alternate angles using ruled sheet.
AUGUST	• Congruency of Triangles • Comparing Quantities	• Angle sum property of triangle
SEPTEMBER	• Revision / Half Yearly Exams	
OCTOBER	• Rational Numbers • Practical Geometry	• Representation on a number line
NOVEMBER	• Perimeter and Area • Algebraic Expressions	• Find the perimeter of the given shape. Regular as well as Irregular. • Area of Circle by paper cutting and pasting
DECEMBER	• Exponents and Power • Symmetry	• Finding the line of symmetry in different Triangles
JANUARY	• Visualizing Solid Shapes	• Net diagrams
FEBRUARY	• Revision	
MARCH	• Revision / Annual Examination	

COLUMBUS PUBLIC SCHOOL, RUDRAPUR
ANNUAL PROGRESSION 2021-22
CLASS – VII
HINDI

माह	पाठ का नाम	क्रियात्मक गतिविधि
अप्रैल	• हम पंछी उन्मुक्त गगन के • दादी माँ भाषा, वर्ण विचार • महाभारत, भीष्म प्रतिज्ञा	• पक्षियों से सम्बन्धित कविता रचना
मई	• हिमालय की बेटियाँ • विदूर, कुंती, कर्ण, द्रोणाचार्य • अनुच्छेद लेखन • काल, वचन	• राज्य में बहने वाली नदियाँ संबंधी क्रियाकलाप • महाभारत के पात्रों से संबंधी रचनात्मक क्रियाकलाप
जुलाई	• कठपुतली • मिठाई वाला • शब्द विचार, शब्द भंडार • संज्ञा, सर्वनाम के भेद • उपसर्ग, प्रत्यय	• रचनात्मक क्रियाकलाप, विषय संबंधी क्रियाकलाप • उदाहरणों द्वारा सर्वनाम के भेदों का ज्ञान मौखिक क्रियाकलाप
अगस्त	• रक्त और हमारा शरीर • पापा खो गये • समास, संधि, विकारी शब्द • पांडवों की रक्षा, जरासंध, भीम और हनुमान	• रचनात्मक क्रियाकलाप • संवाद लेखन मौखिक क्रियाकलाप
सितम्बर	• पुनरावृत्ति / अर्द्धवार्षिक परीक्षा	
अक्टूबर	• शाम–एक किसान • चिड़िया की बच्ची • लिंग • अविकारी शब्द, कारक, अशुद्धि संशोधन • मायावी सरोवर, यक्ष प्रश्न, विराट भ्रम	• विकारी, अविकारी शब्दों पर रचनात्मक क्रियाकलाप • लिंग की पहचान मौखिक क्रियाकलाप
नवम्बर	• अपूर्व अनुभव • रहीम के दोहे • पद परिचय • शांतिदूत श्री कृष्ण, युद्व का बारहवाँ दिन	• स्वंय निर्मित दोहे
दिसम्बर	• कंचा • एक तिनका • खानपान की बदलती तसवीर • विराम चिह्न, वाच्य	• मिष्ठान संबंधी क्रियाकलाप

जनवरी	• नीलकंठ • भोर और बरखा • वीर कुँवर सिंह • वाक्य विचार • अभिमन्यु, अश्वत्थामा • चित्र लेखन	• रचनात्मक क्रियाकलाप, विषय संबंधी क्रियाकलाप
फरवरी	• धनराज • अशुद्धि संशोधन • मुहावरें व लोकोक्तियाँ	• मौखिक क्रियाकलाप
मार्च	• अभ्यास कार्य/वार्षिक परीक्षा	

COLUMBUS PUBLIC SCHOOL, RUDRAPUR
ANNUAL PROGRESSION 2021-22
CLASS – VII
COMPUTER

MONTH	CHAPTER	ACTIVITY
APRIL	• Number System	
MAY	• Using Excel as a database	• How to use forms in Excel • Sorting and filtering option • Adding Subtotal in database • Using advanced filter and data validation • Analyzing data with pivot table
JULY	• Advanced features of Excel • Log on to Animate CC	• Working with charts in excel • Formatting charts • Combo chart and sparklines • Using goal seek • Setting document properties • Applying gradient fill • Editing objects • Importing graphics • Creating a simple text shape tween • Applying filters to text • Animating filtered text
AUGUST	• Working with layers • Employability Skill (Entrepreneurship Skills)	• Working with layers • Using masking • Rotation with masking effects • Onion skinning
SEPTEMBER	• Revision / Half Yearly Examination	
OCTOBER	• More on Python	• Conditional statements in python • Types of control statements • Conditional statements
NOVEMBER	• Introduction to HTML 5	• Creating an HTL document • Heading, paragraph, line break elements • HR, comment, Bold and Italic • CSS and Methods of Applying CSS • Background Properties
DECEMBER	• More on CSS3	• Inline style • Text, Font, Margin and Border Properties
JANUARY	• Cyber tools	• Showing how to use Social Networking sites • How to use Google drive, One drive, You tube, and Google maps
FEBRUARY	• Cyber threats and security • Employability Skill (Entrepreneurship Skills)	
MARCH	• Revision / Annual Examination	

COLUMBUS PUBLIC SCHOOL, RUDRAPUR
ANNUAL PROGRESSION 2021-22
CLASS – VII
ENGLISH

MONTH	TOPIC	ACTIVITY
APRIL	**HONEYCOMB-** • Three Questions **SUPPLEMENTARY-** • The Tiny Teacher **GRAMMAR** • Sentences • Comprehension	• Dictation • Speaking Activity
MAY	**HONEYCOMB-** • The Squirrel (P) **SUPPLEMENTARY-** • Bringing up Kari **GRAMMAR** • Transformation of Sentences • Notice Writing	• Drawing picture • 2. Speaking the sentences clearly and quickly
JULY	**HONEYCOMB-** • A Gift of Chappals • The Rebels (P) **SUPPLEMENTARY-** • The Desert **GRAMMAR** • Nouns • Biographical Sketches	• Picture Reading
AUGUST	**HONEYCOMB-** • Gopal and the Hilsa fish • The shed(P) • The Ashes that made Trees Bloom • Chivvy (P) **SUPPLEMENTARY-** • The cop and the Anthem **GRAMMAR** • Verbs • Pronouns • Prepositions • Letter Writing • Story Writing	• Story Writing
SEPTEMBER	**HONEYCOMB-** • Quality • Trees (P) **GRAMMAR** • Synonyms and Antonyms • Revision /Half Yearly Examination	

OCTOBER	**HONEYCOMB-** • Expert Detectives • Mystery of the Talking fan**(P)** **SUPPLEMENTARY-** • Golu Grows a Nose • I want something in cage **GRAMMAR** • Phrases • Clauses • Diary Writing	• Role play • Conducting a survey
NOVEMBER	**HONEYCOMB-** • The Invention of Vita wonk • Dad and the cat and the tree (P) • Fire: Friend and Foe • Meadow surprised (P) **SUPPLEMENTARY-** • Chandani **GRAMMAR** • Sentences-simple, compound and complex • Active and passive voice Homophones	• Conducting a survey • Composing short poem
DECEMBER	**HONEYCOMB-** • A Bicycle in Good repair • Garden snake**(P)** **SUPPLEMENTARY-** • The Bear Story **GRAMMAR** • Adverbs and Degree of Comparison • Conjunctions • Direct and Indirect speech • Posters and Slogans	• Speaking Activity • Making recipe
JANUARY	**HONEYCOMB-** • The story of Cricket **SUPPLEMENTARY-** • A Tiger in the house **GRAMMAR** • Question tags • Punctuation Marks • Editing	• Word search activity
FEBRUUARY	**SUPPLEMENTARY-** • An Alien hand **REVISION** • Grammar	
MARCH	• **Revision /Annual Examination**	

COLUMBUS PUBLIC SCHOOL, RUDRAPUR
ANNUAL PROGRESSION 2021-22
CLASS – VII
SOCIAL SCIENCE

MONTH	TOPIC	ACTIVITY
APRIL	History • Tracing changes through a thousand year. Geography • Environment	• Map pointing • Poster making • Drawing relevant pictures.
MAY	History • New kings and kingdoms. Civics • On equality	• Poster making on articles.
JULY	History • The Mughal empire Geography • Inside the Earth Civics • How state government works.	• PPT making. • Manuscript making.
AUGUST	History • Delhi sultan's • Geography • Our changing Earth Civics • Role of government in health. • Growing up boys and girls.	• Role play • Drawing relevant pictures.
SEPTEMBER	History • Rulers and building towns, traders and craftsman. Civics • Women change the world. • Understanding media Revision / Half Yearly Examination	• Painting Poster • Clay pots making
OCTOBER	History • Tribes, nomads and settled communities. Geography • Air/Water Civics • Understanding advertisement, Markets around us.	• Weather calendar • Poster making

NOVEMBER	History • Devotional paths to the divine. Geography • Natural vegetation and wildlife. Civics • A shirt in the market.	• Chart making
DECEMBER	History • Making of regional cultures Geography • Human environment Civics • Struggle for equality	• Role play
JANUARY	History • Eighteenth century ...political formations Geography • Life in temperate grassland and deserts	• Virtual Assembly and debate
FEBRUARY	• Revision	
MARCH	• Revision /Annual Examination	