AALAYA ACADEMY

GRADE 8 CURRICULUM

SUBJECT: ENGLISH

BOOK: NCERT TEXTBOOK – HONEYDEW

SUPPLEMENTARY READER – IT SO HAPPENED....

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	Grammar: Parts of speech, Voice. Reported speech , Sentence pattern, Question tags.	*Recall and write the grammar exercises given. *Improves vocabulary and reading skills	*Writing activities– in notebooks. *Reading activities.
JUNE	Prose: Ch-1The Best Christmas present in the world. Poem: The Ant and the Cricket. S/R: How the camel got his hump. Grammar: Phrasal verb, Past Perfect tense, Sentence – clause & phrase, Noun Phrase. Writing Skill: Letter writing Story Writing.	*understand the importance of peace, harmony and love. * identify and understands the essential elements in poetry. *learn the correct usage of past perfect tense. * learn to identify clause & phrase in a sentence. *write a letter using correct expressions and format.	*Writing activities - Pg.20. *Speaking activity - Pg.19 *Reading task- Good Fables
JULY	Prose: Ch-2 The Tsunami Ch-3 Glimpses of the past Poem: Geography Lesson, S/R: Children at work, The Selfish Giant. Grammar: Sentence structure, Voice, Reported speech. Writing Skill: Diary Entry PERIODIC - I	*comprehend the lesson and answer factual and inferential questions. *enjoy reading the poem and understand the poetic devices used. * show fluency with the rules of converting Active voice into passive voice. *Transform a sentence from direct to indirect speech with the rules in mind. *write a	* Speaking & Writing – Pg.32 & Pg.47 to 49.

		diary entry using correct English.	
AUGUST	**Prose: Ch-4 Bepin Choudhury's Lapse of Memory.** **Poem: The Last Bargain. S/R: The Treasure within.** **Grammar: Present perfect tense.** **Writing Skill: Letter writing, Paragraph writing.**	**. *comprehend the lesson and answer factual and inferential questions.** ***enjoy reading the poem and appreciate its theme. *learn the correct usage of Present perfect tense.** ***write a paragraph using grammatically correct English on the given topic.**	*** Speaking & Writing activities–Pg.72**
SEPTEMBER	**Prose: Ch - 5 The summit within.** **Poem: The School Boy** **Prose: Ch-6 This is Jody's Fawn**	*** comprehend the lesson and answer questions based on the same.**	*** writing task- Pg.82,95. * Speaking activity – Pg.105**
OCTOBER	**. Ch -7 A visit to Cambridge.** **S/R: Princess September, The Fight..** **Grammar: Subject – Verb Agreement, Transitive & Intransitive verb, Reported speech. Adjectives, Conjunctions and prepositions.** **Writing Skill: Notice writing / Paragraph writing Idioms and Phrases, Long composition.** **PERIODIC - II**	*** comprehend the lesson and answer questions based on the same.** ***enjoy reading the poem and appreciate its genre.** ***learn to write sentences using correct subject – verb agreement. learn the correct usage of Adjectives, conjunctions and prepositions.*write a notice using grammatically correct English.*write sentences with idiomatic expressions.** *** Write Long composition with correct usage of vocabulary.**	*** writing task- Pg.106**
NOVEMBER	**Revision** **Reading comprehension** **HALF YEARLY EXAMINATION**	***Revise literature, grammar and writing skills.** *** Practice the concepts extensively.**	

DECEMBER	**Prose: Ch- 8 A Short Monsoon Diary** **Poem: On the grasshopper & cricket** **S/R: Jalebis** **Grammar: Active and passive voice.** **Writing Skill: Paragraph writing on verbal and visual inputs.**	***comprehend the lesson and answer factual and inferential questions.** ***enjoy reading the poem and appreciate its genre.** ***show fluency with the rules of converting Active voice into passive voice.** *** Write a paragraph using grammatically correct English with the given verbal/visual inputs.**	*** writing task- Pg.117** ***Speaking- Pg.116**
JANUARY	**Grammar: Adjective to Noun .** **Writing Skill: Story writing.**	*** comprehend the lesson and answer questions based on the same.** *** write correct noun forms for the adjectives given. * take up the activity of writing a story creatively.**	
FEBRUARY	**PERIODIC- III** **Grammar: Future Tense**	*** comprehend the lesson and answer questions based on the same.** ***Write the sentence with correct tense form.**	***Writing Task** *** Listening Activity**
MARCH	**Reading comprehension.** **Revision** **YEARLY EXAMINATION**	***Revise literature, grammar and writing skills.** *** Practice the concepts extensively.**	

GRADE 8 CURRICULUM

SUBJECT : TAMIL

BOOK : TAMILNADU GOVERNMENT

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	இலக்கணம்: **தமிழ் மாதங்கள் ,வாரத்தின் நாட்கள் ,திசைகள் சொற்களின் வசககள்,சொற்சறாடர் அசமப்பு , தமிழ் எழுத்Fகளின் வசக சதாசககள், மயங்சகாலி எழுத்Fகள்,மயங்சகாலி பிசழகள், அடுக்குத்சதாடர், இரட்சடக்கிளவி, இடுகுறிப்சபயர், காரணப்சபயர்,சிறப்புப்சபயர், வல்லினம் மிகும் இடம், மிகாஇடம், அலகிட்டுவாய்ப்பாடு**	மமொழியில் பயன்படுத்தப்படும் **இலக்கணவககச்** மசொற்கைக் **கண்டறிதல். வல்லினம் மிகும் இடம், மிகாஇடம் அறிந்F சகாள்ளுதல். அலகிட்டுவாய்ப்பாடு சொற்கசள அலகிட்டு பிரித்F எழுFதல்.**	**ககட்டறிதல், படித்தல், எழுFதல்.**
JUNE	இயல்:1. செய்யுள் 1: தமிழ் சமொழி வொழ்த்F செய்யுள் 2: தமிழ் சமொழி மரபு தமிழ் வரி வடிவ வளர்ச்சி	**மசய்யுகைப் படித்F கமயக்கருத்கத எடுத்F உகைத்தல்,** மைபுச் மசொற்கைப் **பற்றித்** மதொல்கொப்பியம் வொயிலொக **அறிக. கபச்சு** மமொழி,**எழுத்F** மமொழியின் **நுட்பங்கை.தமிழ் எழுத்Fகைின்** கதொற்றம், **வைிவடிவ வைச்சி, எழுத்Fச் சீர்திருத்தம் ஆகியவற்கறக் கண்டறிதல். குறிப்புககைக்**	**மைபுச் மசொற்கையும் அவற்றின் உட்பிரிவுககையு ம் மதொகுத்F எழுFக. தமிழ் எழுத்Fகளின் வரி வடிவ வளர்ச்சிசய அறிதல்..**

		மகொண்டு கட்டுகை எழுதிப்பழகுதல்.	
JULY	இயல்:1-சொற்பூங்கொ இலக்கணம்: எழுத்Fகளின் பிறப்பு இயல்:2 செய்யுள்-1: ஓடை செய்யுள்-2: ககொணக்கொத்Fப் பொைைடு உடரநடை: நிலம் சபொF சவைடுக்கிளியும், ெருகுமொFம் திருக்குறள் . **PERIODIC-1**	**மசய்யுைைின் வருணகனப்பகுதிககை சுகவத்தல். ஈடில்லொ இயற்கக நொட்டின் உயிைைநொடி என்பதகனயுமைை, கொட்டு உயிைைகளுக்குமைை சுற்றுச்சூழலுக்குமைை இகடகயயொன** மதொடைபு கபொன்றக் **கருத்Fக் - ககைப்படித்Fணைந்F அறிந்F மகொைைளுதல். திருக்குறகைப் படித்F** அதன் சொைைொமைசத்கத **உணைதல்...**	**நீ கண்ட இயற்ககச்சுற்றுலொ குறித்F நண்பனுக்கு கடிதமைை எழுFக.**
AUGUST	இயல் 2 : இலக்கணம்: விடனமுற்று இயல்:3.செய்யுள்-1: **கநொயுமைை, மருந்Fமைை** செய்யுள்-2: வருமுன் கொப்கபொம் உடரநடை: தமிழர் மருத்Fவம்	**நீலககசிப்பொடலின் கமயக்கருத்கத வொய்விட்டுப் படித்தல்.** வருமுங்கொப்கபொமைை **பொடல் நயமைை அறிதல். தமிழின் மருத்Fவமைை குறித்தத் தகவல்ககை பொடப் பகுதியின் மூலமைை அறிந்F மகொைைளுதல்.**	**நமைை நொட்டு மருத்Fவக் குறிப்புககைப் பற்றி சிறியத் மதொகுப்கபடு ஒன்றிகன உருவொக்குக.**
SEPTEMBER	இயல்:3. தடலக்குள் ஓர் உலகம்.. இலக்கணம்: ெள்ெம்	**மனித மூகையின் அகமப்பு மற்றுமைை** மசயல்பொடுககைப் **பற்றி அறிதல். எச்சமைை மற்றுமைை அதன் வககககை அறிந்F பயன்படுத்Fதல். பத்திகயப் படித்F கருத்Fக்ககை** அறிந்Fமகொைைளுதல், **வொசித்தல் திறன் கமமைபடுத்Fதல். கட்டுகை எழுFமைை பயிற்சி அறிவை.**	**படித்தல், எழுFதல்.** **பத்திகயப் படித்F வினொக்களுக்கு விகடயைி.** என் நொட்டு **மருத்Fவமைை கட்டுகை எழுFக.**

OCTOBER	இயல்:4 செய்யுள்-1: கல்வி அழகக அழகு செய்யுள்-2: புத்திடயத் தீை◌்டு உடரநடை: **பல்Fகறக்கல்வி** Fடணப்பொை◌ம்: ஆன்ற குடிபிறத்தல் இலக்கணம்: கவற்றுடம	**சங்கப் பொடல்கைகச் சீை◌்பிை◌ித்Fப் படிக்கும◌் திறனும◌் கருத்கத உணரும◌்திறனுடன் கல்வியின் அவசியத்கதயும◌் அறியச்மசய்தல்.**	**கல்வியின் சிறப்கபத் மதொகுத்F எழுFக. குறிப்புககைக் மகொண்டு கட்டுகை எழுFக.**

	கட்டுகை **PERIODIC-2**	**பல்Fகறக்கல்விகய** பற்றித் மதைிவொனப் **புைிந்Fணைக்கவ ஏற்படுத்Fதல். கவற்றுகம உருகப மதைிவுறக் கற்றைப். குறிப்புககைக்** மகொண்டு கட்டுகை **பயிற்சி எழுத அறிவைப்.**	
NOVEMBER	இயல்:5 செய்யுள்: **திருக்ககதொைம்,** **பொடறிந்F ஒழுகுதல்** உடரநடை: **நொட்டுப்புறக் ககவிகன ககலகைக்** Fடணப்பொைம்: தமிழர் இடெகருவிகள் இலக்கணம்: **மதொககநிகல,** மதொகொநிகலத் மதொடைக் **திருக்குறை்** **கருத்Fணைப் பகுதி , கடிதம்.** **HALF-YEARLY REVISION AND EXAMINATION**	**நொட்டுப்புறக் ககலககை அகனத்திற்கும் அடிப்பகட என்பதகன உணைதல், எளிய பொடல்ககைச் சீைைப்பிைைத்Fப் படித்Fப் மபொருைைப் புைைிந்F மகொைைளுதல், ககத படிக்கும் தைைவத்கத உருவொக்குதல், மமொழியில் தைடை** மதொககநிகல **மற்றும்** மதொகொநிகலத் மதொடைக் **ஆகியவற்றின் கட்டகமப்கப அறிந்F பயன்படுத்Fதல். பத்திகயப் படித்F கருத்Fக்ககை அறிந்Fமகொைைளுதல்,** வொசித்தல் திறன் **கமம்படுத்Fதல்.**	**பல்கவறு நொட்டுப்புறக் ககலககைப் பற்றி மதொகுத்F எழுFக.** **நூலக ஆகணயருக்குக் கடிதம் எழுFக.**
DECEMBER	இயல்:6. செய்யுள்: **வைம் மபறுக, மகழச் கசொறு** உடரநடை: **மகொங்குநொட்டு வணிகம்** Fடணப்பொைம்: கொலம் தைன் வரும் இலக்கணம்: **புணைச்சி.**	**மகழநீைின் இன்றியகமயொகம கயக்** கவிகத வொயிலொக **அறிதல்,பொடலின்** மசொல் நயங்கடள **உணைதல்,** மகொங்குநொட்டு வணிக **முகறககையும் அவைக் பயன்படுத்திய நுட்பத்கதயும் உணைந்F** கபொற்றுதல்,தமிழகச் **பல்கவறுப் புணைச்சிககைப் படித்தறிந்Fமகொைைவைப்.**	மகொங்குமண்டலத் **தின் கீழ் வரும் தைளகின் மபயைககைப் பட்டியலிடுக.** **பத்திகயப் படித்F வினொக்களுக்கு விகடயைி.**

JANUARY	இயல்:7. செய்யுள்: **பகட கவழம◌், விடுகதகலத் திருநொை◌◌்.** உடரநடை: **பொை◌த ை◌த்னொ எம◌்.ஜி. ைஇொமச்சந்திை◌ன்** Fடணப்பொை◌ம்: **அறிவுசொல் ஔளகவயொை◌◌்** இலக்கணம்: **வல்லினம◌் மிகும◌், மிகொ இடங்கைக் கட்டுகை.**	**தமிழ்ைகின் அறத்கதயும◌் வீை◌த்கதயும◌் புை◌◌ிந்F மகொை◌◌்ளுவை்,** **விடுதகலத் திருநொை◌◌் பற்றிய மசய்திககையும◌்,** முன்னொை◌◌் முதல்வை் **எம◌்.ஜி.ைஆின் வொழ்க்கக வைலொற்கறயும◌் சிறப்புக்ககையும◌், அறிந்F சகாள்வர். கருத்Fக்ககைத் மதொகுத்F கடிதம◌் எழுFம◌் திறன்,வில்லினம◌்** மிகும◌், மிகொ இடங்கைக் **ஆகியவற்கற அறிவை்.**	**எம◌்.ஜி.ைஆ் ஆற்றிய சொதகனககைப் பற்றிய மதொகுப்கபடு ஒன்றிகன உருவொக்குக. என்கனக் கவைந்த ஆசிை◌◌ியை் .கட்டுகை எழுFக.**
FEBRUARY	இயல்:8. செய்யுள்: **ஒன்கற குலம◌், மமய்ஞ்ஞொன ைஓி. திருக்குறை்.** உடரநடை: **அகயொத்திதொசை் சிந்தகனகை்** Fடணப்பொை◌ம்: **மனித யந்திை◌ம◌்** இலக்கணம்: **யொப்பு இலக்கணம◌்.** **திருக்குறள்,கட்டுகை.** **PERIODIC-3**	மபொருை◌◌் அறிய **அகைொதிகய பயன்படுத்Fம◌் திறன்,அறக்கருத்Fக கை எடுத்Fகைக்கும◌் பொங்கிகனயும◌் படித்தறிதல்,ஒரு கருத்கத கமயப்படுத்திய கட்டுகைகைின் கருத்F மவைிப்பொட்டுத் தன்கமயிகன உணைந்F பயன்படுத்Fவை்,** அகயொத்தி தொசைின் **கருத்Fக்ககைப் புை◌◌ிந்F** மகொை◌◌்ளுவை், யொப்பு **இலக்கணத்தின் அடிப்பகடகய** அகடயொை◌ம◌் கொணும◌் **திறன் மபறுவை்.**	அகயொத்தி தொசை் **மதொகுப்பித்த மற்றும◌் எழுதிய நூல்கைின் மபயை்ககை கண்டறிந்F எழுFக.** மொணவை் **சக்தி கட்டுகை எழுFக.**

MARCH	இயல்:9. செய்யுள்: **உயிைைக்குணங்கை், இகையத் கதொழனுக்கு. திருக்குறை்.** உடரநகட: **சட்டகமகத அமைகபத்கை்** Fடணப்பொைைம்: இலக்கணம்: பொல் மணம் **அணி இலக்கணமை**	**மபொருைை அறிய அகைொதிகய பயன்படுத்Fமை திறன், ஆளுகமகை் பற்றிய விைைங்ககைத் மதொகுத்F வககப்படுத்திப் கபசுமை திறன் மபறுதல், இணக்கமைொன**	**பொடல்கைில் பயின்றுவருமை இலக்கண அணிககை அகடயொலமை கொணுதல். அகழப்புக்கடிதமை எழுதிப் பழகுக.**

	கருத்Fணை் பகுதி, கடிதம். **YEARLY REVISION AND EXAMINATION**	**உறகவப் கபணுதல், உணைவுககைக் ககயொளுதல், தன்னம்பிக்ககயுடன் சூழல்ககை எதிைைமகொைைளுதல்** கபொன்ற வொழ்க்ககத் **திறன்ககைப் மபறுதல்,அம்கபத் கைின் வொழ்க்கக** வைலொற்கறப் படித்F **கருத்Fக்ககை** அறிந்Fமகொைைளுதல். **எழுFப்பயிற்சி.**	**பத்திகயப் படித்F கருத்Fக்ககை** அறிந்Fமகொைைளுதல், வொசித்தல், **திறன் கமம்படுத்Fதல்.**

आलय अकादमी

विषय - विन्दी

कक्षा 8.

मीना	पाठ	सीखने की पररणाम	गवतविवि
अप्रैल	बारिखडी , संज्ञा, विया , सर्िनाम , दोिराना	वकसी सामग्री को पढ़कर समझकर उसके प्रवत अपना विचार प्रकट करते िैं।	
जून	पाठ १. लाख की चूवडयां पाठ २. बस की यात्रा	वकसी सामग्री को पढ़कर उसके प्रवत अपना विचार प्रकट करते िैं।	तरि तरि की चूवडयां इकट्ठा करो
जुलाई	कविता ३. दीिानों की िस्ती वगनती – एक से तीस तक दोिराना। आिविक परीक्षा 1	कव सी वचत्र दृश्य को देखने के अनभुि को अपने ढंग से मौखव क या सांकेवतक भाषा सेकरते िैं।	**व्याकरण संज्ञा चार्ट बनाओ**
अगस्त	कविता ४.भगिान के डावकए । पाठ ५. क्या वनराश हुआ जाए। व्याकरण दोिराना	विवि संदभभ को वलखते समय शब्द मुिािरे िाक्य रचनाएं का उवचत प्रयोग करते िैं।	**कुछ पत्र वगैरहें इकट्ठा करो।**
वसतंबर	कविता ६. यि सबसे कवठन समय निीं। आिविक परीक्षा 2	**भाषा कक बाररककयों पर ध्यान देते हुए दूसरों के द्वारा कही जाने वाली बातों को अपने ढंग से बताते हैं।**	समय के बारे में वनबंि वलखो।

अक्तूबर	कविता ७. कबीर की साखखयां	अपने अनुभिों को अपनी भाषा शैली में वलखते िैं।	दोिों की अल्बम बनाओ।
निंबर	अभिावषभक परीक्षा		
वदसंबर	पाठ ९. जिां पविया िै । पाठ १०. अकबरी लोटा।	अपने पररचय में विी गई बातों को अपने ढंग से वलखते िैं।	**व्याकरण कवशेषण चार्ट बनाओ।**
जनिरी	कविता ११. सूर के पद पाठ १२ पानी की किानी।	**भाषा की बाररककयों व्याकरण जैसे किया, कवशेषण, काल, वचन सबके प्रकत सचेत होकर कलखते हैं।**	**पानी पर कनबंध कलखो** **व्याकरण कवराम कचह्न चार्ट बनाओ।**
फ़रिरी	पाठ १३. बाज़ और सांप आिविक परीक्षा 3 .	**कवकवध प्रकार की रचनाएं को पढ़कर समूह में चचाट करते हुए**	
माचभ	िावषभक परीक्षा	.	

GRADE 8 CURRICULUM

SUBJECT : MATHEMATICS

BOOK : MATH BOOK

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	• **Decimal numbers** • **Fractions** • **Types of conversions** • **Finding HCF & LCM**	Able to add, subtract, multiply & divide the decimal numbers. Addition and subtraction of fraction Conversion of different units Finding the HCF and LCM of different numbers	Worksheets given for the topics
JUNE	1. **Rational numbers** 2. **Linear Equations in One variable**	Understand the properties of rational numbers. Representation of rational numbers on the number line. Able to find rational numbers within the given rational numbers. Able to solve word problems including ideas like areas. Able to solve linear equations in one variable in contextual problems involving multiplications and division.	**Prepare and create the number line for rational numbers.** Conducting Quiz to find the unknown values or ages of persons.
JULY	3. **Understanding Quadrilaterals**	Understanding the properties of general quadrilaterals. Understanding the properties of parallelogram, rectangle, rhombus and square. Able to find the angles of quadrilateral by using different properties.	Find two cut outs of parallelogram and prove that the opposite angles of a parallelogram are of equal measure. Throw two dices and find the possible outcomes with different

	4. Data Handling **PERIODIC- I**	Able to read bar graphs, ungrouped data, grouping them. Able to Construct and interpret bar graphs. Able to understand the pie charts. Finding the probability when the coin or dice is rolled	events.
AUGUST	**5. Squares and square roots** **6. Cubes and cube roots**	Able to find the squares and square roots. Able to understand the factor method and division method for numbers containing more than 4 digits. Able to find the cube and cube roots. Able to learn the process of moving nearer to the required number. Able to estimate the square roots and cube roots.	Finding the squares and square roots for the given numbers. Finding the cubes and cube roots for the given numers
SEPTEMBER	**7. Comparing quantities**	Able to develop problem solving applications on percentages, profit and loss , over head expenses , discount and tax. Able to find the difference between simple and compound interest.	Collect the data of the amount deposited in the bank in your account and find the interest for the time period.
OCTOBER	**8. Algebraic expressions and identities** **PERIODIC -2**	Able to identify terms, factors and co efficients Able to multiply monomial by a monomial , multiply monomial by a polynomial and polynomial by a polynomial .	Find the solutions for the given expressions using identities.

NOVEMBER	**REVISION** **9. HALF-YEARLY EXAMINATION**		
December	**10. Mensuration** **Exponents and powers**	Able to find area of trapezium and a polygon, To study the concept of volume, measurement of volume using a basic unit, volume of cube, cuboid and cylinder To study volume and capacity and surface area of cube, cuboid, cylinder. Able to study integers as exponents and the laws of exponents with integral powers.	Find the area of a circle using cardboard Simplify and write in exponential form for the given sums
January	**11. Direct and inverse proportion** **12. Factorization**	Able to study the direct variation simple and direct word problems, Inverse variation simple and direct word problems , Time & work problems simple and direct word problems Able to study what is factorization and to know factorization using identities , factors of the form (x+a)(x+b) , division of algebraic expressions	Word problems Factorize the given algebraic equations.
February	**13. Introduction to Graphs**	Able to know the cocept of axes , cartesian plane , and to	Mark the given points in the graph.

	Periodic-3	study plotting points for different kind of situations, linear graphs and to find the distance verses time graph	
March	**Revision** **Yearly Examination**		

GRADE 8 CURRICULUM

SUBJECT: SCIENCE

BOOK: NCERT TEXTBOOK – SCIENCE

MONTH	CONTENTS	LEARNING OUTCOMES	ACTIVITIES
JUNE	**CHAPTER 1** **CROP PRODUCTION AND MANAGEMENT**	• Classify crops by cropping patterns such as Kharif and Rabi crops. • Awareness for using resources judiciouslylike making controlled use of fertilizers and pesticides. • Perform activities to investigate the effectof manure and fertilizer on plant growth.	1. To collect various types of seeds. 2. To collect Pictures / draw diagrams of various agricultural tools or machines. 3. Prepare a detailed report on kharif and rabi crops with examples.
	CHAPTER 8 **FORCE AND PRESSURE**	Various types of forces by giving • examples from daily life. Understand the reason how force is applied in daily life	Make a model of Liquid exert pressure
JULY	**CHAPTER 2** **MICROORGANISM: FRIENDS ANF FOE**	• Identify different typesof microorganisms (both unicellular and multicellular) Classify useful and harmful microorganisms. • Explore the role of microorganisms in life. • Classify	• To observe drops of pond water, curd, bread mould under microscope. • Experiments showing fermentation of dough (increase in volume by yeast) - collect gas in balloon and test the gas by Lime water. • Collect the labels from the bottles of jams and jellies and write down the list of contents printed on the labels. • Prepare a

	CHAPTER 3 **COAL AND PETROLEUM** **PERIODIC 1**	Exhaustible and inexhaustible natural-resources. • Identify the fossil fuel. • Develop awareness for the use of exhaustible fuels judiciously.	poster depicting types of natural resources - Exhaustible and inexhaustible
AUGUST	**CHAPTER 5** **CONSERVATION OF PLANTS AND ANIMALS** **CHAPTER 9** **FRICTION**	• Biodiversity refers to the variety of living organism in a specificarea. • Plants and animals of a particular area known as the flora and fauna of that area. • We should save , reuseand recycle paper to save trees, energy and water. • Reforestation is the restocking of destroyed forests byplanting new trees. • Demonstrate friction between rough and smooth surfaces. • Understand the causeof wear and tear of moving objects. • Differentiate among static, sliding and rolling friction. • Apply scientific learning in daily life like increasing/ reducing friction (solesof the shoes are grooved for better grip ?	Study a biodiversity of a park nearby and prepare a detailed report with photographs and sketches of flora and fauna Make a model of Red data book • Demonstrate that Force of friction depends on nature Of surface in contact. • Demonstrate Wear and tear of moving objects by rubbing. • To collect and display pictures of some sports and actions where friction is necessary or evils

SEPTEMBER	**CHAPTER 4** **COMBUSTION AND FLAME**	• Conduct simple investigation to seek answer to query like – What are the conditions requiredfor combustion? • Explain that all the fuels release heat on burning. • Explain the physical process in the formation of Flame with the help of a labelled diagram. • Investigate and analyse "what Happens when kerosene and natural gas are burnt?" • Understand the precautions to be taken while using LPG. • Displays sense of interest in science byconstructing a modelof Fire extinguisherand explain its functioning.	1. Draw a labelled diagram of the structure of a flame. 2. Experiment showing that fuels release heat on burning (candle, kerosene and LPG) 3. To prepare a model of fire extinguisher. Listing of materials into natural and man-made fuelswhich are required for our basic needs (activity 5.1)
OCTOBER	**CHAPTER 10** **SOUND** **Periodic 2**	• Producing of sound • Medium of travel • About sound frequency. About sound pollution and its causes	Prepare a report of famous Indian musicians and the instruments they play. Identify the sources of noise pollution in your locality .Discuss with your parents, friends and neighbours . Suggest how to control noise pollution .Prepare a brief report and present it in the class.

NOVEMBER	**HALF YEARLY EXAMINATION**		
DECEMBER	**CHAPTER 6** **REPRODUCTION IN ANIMALS** **CHAPTER 12** **SOME NATURAL PHENOMENA**	• Explain the processes of asexual reproduction like binary fission and budding. • Explain process of Reproduction in human and animals. • Differentiate between external and internal fertilization. • To know about the concept of lighting. • Know about types of charges and their interaction. • To know about the transfer of charge.	1. To study the various modes of asexual reproduction in Hydra and Amoeba (with the help of permanent slides) 2. To study the life cycle of frog / mosquito with the help of a chart or model. Observing an object through a straight and benttube. Create a PPT about Period of revolution, period of rotation, and approximate distance from the sun for all theplanets.
JANUARY	**CHAPTER 7** **REACHING THE AGE OF ADOLESCENCE** **CHAPTER 11** **CHEMICAL EFFECTS OF ELECTRIC CURRENT**	• Reproductive phaseof Life in Human • Role of hormones in completing the life History of insects andfrogs • Reproductive health. Identify liquids on the basis of conductivity as electrical conductors or insulators • Conduct simple investigation to seek the answer forqueries like why acids, bases and salts conduct electricity? and why do we get shock when we touch electric appliance with wet hands? • Explain the process of Chemical effects of	Collect information from magazines or from doctors and prepare a note on the importance of consuming iodised salt. You can also look for this information on the internet. 1.Test the conduction of electricity through various fruits and vegetables. Display your result in a MS Excel. 2. To test that water conducts electricity depending on the presence / absence of salt in it .(repeat the test by using other liquids like glucose water or any other of your choice)

		electric current. • Apply learning of scientific concepts in day to day life of depositing a layer of any desired metal on another materials by electroplating .	
FEBRUARY	**CHAPTER 13** **LIGHT** **PERIODIC 3**	• Conduct simple investigations to seek answer to queries that angle of incidence is equal to angle of reflection and Incident ray, the normal at the point of incidence andreflected ray all lie in the same plane.	1. Exploring laws of Reflection using ray source and mirror. 2. Locating the reflected image using glass sheet andcandle .
MARCH	**REVISION** **YEARLY EXAMINATION**		

GRADE - 8 CURRICULUM

SUBJECT: SOCIAL SCIENCE

BOOK: NCERT TEXTBOOK - SOCIAL AND POLITICAL LIFE - III

HISTORY : OUR PASTS – III   GEOGRAPHY: RESOURCES

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
April	**Natural and man-made resources.** **The Indian constitution.**	*Recall their knowledge about resources around them. To know about our constitution.	Find out the resources around us and name them.
June	**History** **Ch-1:- How , When,Where** **Political Science** **Ch:1The Indian Constitution**	(a) Explain how the names and titles used for the subcontinent and its regions have evolved over time. (b) Describe significant advancements or events that have occurred within a specific period. (c) Propose the differences in the materials or resources used for studying this particular period compared to earlier times. (a) Grasp the concept of the rule of law and our interaction with it, (b) Recognize the Constitution as the main basis for our laws, (c) Comprehend that laws adapt and can be modified, Understand the principles and ideals embodied in the Constitution, Cultivate an understanding of the human rights protected by the Constitution, Value our ongoing connection to the	Prepare the time line chart for the give dates. List the surveys in our country Create the collage regarding our Indian Constitution Write about the importance Of Resources

	Ch-2 _Understanding Secularism **Geography:** **Ch-1Resources**	Constitution as a dynamic document that evolves. Understand the significance of resources, including their diversity, where they can be found, and how they are spread out.	
JULY	**History** **Ch-2 Trade to Territory** **Geography** **Ch-2 Land, soil, Water, Natural Vegetation and wild life Resources** **Political Science** **Ch-3** **Why do we need a Parliament.** **PERIODIC- 1**	(a) Explore the evolution of a trading enterprise into a significant political force. (b) Demonstrate the connection between the strengthening of British authority and the establishment of colonial military forces and administrative systems. Discuss the significance of resources in our lives, recognizing the thoughtful utilization of resources for long-term sustainability. Additionally, fostering an awareness about conserving resources and motivates action toward the conservation process. Develop an understanding of the fundamental components of a parliamentary system. Assess how citizens' involvement influences the creation of laws.	Note the Festival and pertain the different Religions. Mark the places where the trading companies in India. Collect pictures , stories about mahadji sindhia, Lord Dalhousie Collect the information about the usage of water in your family, and write the ways to reduce the usage of water.

August	**History** **Ch-3 Ruling the countryside** **Political Science** **Ch-4 Judiciary** **Geography** **Ch-3 Agriculture**	a) Give an overview of changes in rural communities by comparing two different regions. (b) Highlight similarities and differences between present-day societies and those from the past. (c) Explore how the introduction of new crops affected the daily routines of peasants, sometimes causing disruptions and sparking rebellions. Comprehend the key components of our legal system, Recognize the importance of established procedures, Grasp the concept of an FIR (First Information Report) and learn how to lodge one. Discuss diverse forms of farming and agricultural progress in distinct geographical areas.	Write the ways to improve the ruling thy any one of administration. Collect the information regarding parliamentary form of government. Find about any tribal group living in India and find out their customs and way of life. Collect the pictures from old magazines Regarding Minerals. Write in your own words that you understand by the term The Rule of law, you can include fiction.
September	**History** **Chapter -4Tribals , Dikus, and the vision of a golden Age**	(a) Explore various types of tribal communities. (b) Demonstrate how historical accounts from government sources can be analyzed creatively to piece together the narratives of tribal uprisings.	Collect the information of Different crafts in India Since we are in Textile city… collect the information , What are problems faced by them Collect the information from the grand parents and write

			about their education system in school Collect the information about the court, judges in India.
October	**<u>PERIODIC -II</u>** **<u>History</u>** **<u>Ch-5 When People Rebel</u>** **<u>Geography</u>** **Ch-4 Industries** **<u>Political Science</u>** **<u>Ch- 5 Understanding Marginalisation</u>**	a) Explore the origins and transmission of revolts. (b) Highlight the alterations in colonial governance post-1857. (c) Demonstrate how both vernacular and British narratives can be used to interpret the rebellion. comprehend significant types of manufacturing sectors. Comprehend the concept of marginalization. Acquire a critical grasp of social and economic unfairness.	Mark the places of important centres of the revolt. Read the list of Fundamental Rights provided. Collect the different type of seeds and differentiate the type of soil they grow
November	**<u>HALF- YEARLY EXAMINATION</u>**		

December	**History** **Ch-6 Civilising the Native Educating The Nation** **Geography** **Ch-5 Human Resources** **Political Science** **Ch – 6 Confronting Marginalisation**	(a) Demonstrate the historical roots behind the current widespread and commonly accepted educational system. (b) Explore the connection between the politics governing education and its influence on power dynamics and cultural identity. Grasp the significance of human resources in contributing to the economic development of a nation. Cultivate abilities to analyze arguments from the marginalized perspective.	Play a role of police , judge , public prosecutor, criminal lawyer. Collect the information of any women achiever and list down the challenges faced by the environment. Visit an industry and Share with your friends .
January	**History** **Ch-7 Women , Caste , and Reform**	(a) Explain the reasons behind the emphasis of numerous reformers on addressing the “women’s question” and their perspectives on transforming women’s circumstances. (b) Summarize the timeline of legislative changes that have had an impact on the lives of women. (c) Demonstrate the utilization of autobiographies, biographies, and various literary works as tools to	Play a role of police , judge , public prosecutor, criminal lawyer. Write an essay on Mahatma Gandhi Take some public Facilities in your area , find the ways to improve and write your opinion. Pg.71 in Georaphy book

	<u>Political Science</u> **Ch-7 Public Facilities**	piece together the histories of women. Discuss about the government's involvement in the economy,	
February **March**	**<u>Periodic – III</u>** **<u>History :</u>** **<u>Ch-8 The Making of the National Movement</u>** **<u>Political Science</u>** **<u>Ch-8 Law and social justice</u>** **<u>Yearly Examination</u>**	a) Describe the significant progressions in the country's movement for independence, emphasizing a thorough examination of one pivotal occurrence. (b) Demonstrate the utilization of present-day writings and records to piece together the histories of political movements.	Write an essay on any political leader Create the population pyramid of India

AALAYA ACADEMY

GRADE - 8 CURRICULUM

SUBJECT: COMPUTER SCIENCE

BOOK: PRACHI-EXPLORING ICT WORLD

MONTH	CONTENT	LEARNING OUTCOMES	ACTIVITIES
APRIL	Introduction about modern internet technology and e-commerce		Ask the students to collect the information about the topic and discuss in group discussion.
JUNE	**CHAPTER-1: Operating System**	• To learn about Software and Types • Operating System • Types of Operating System	• Create a chart work for types of Operating system • Examples of Operating System
JULY	**CHAPTER -2: Formulas, Functions and Charts** **PERIODIC 1**	• To learn about uses of Formulas and Function • To know about Charts in Excel	LAB Activity : • Open the workbook Student Marks • Calculate the total marks of each student • Calculate the percentage
AUGUST	**CHAPTER -3: Computer Networks** **CHAPTER -4: Introduction to Microsoft Access 2010**	• To learn about Computer network • Types of transmission/ communication media • Types of computer network • To learn about database and its advantages • Data types in Access • Sort and arrange the data	• Discuss about How a computer network helps? • Draw the diagram for the types of network
SEPTEMBER	**CHAPTER: 5 Queries, Forms and Reports in MS-Access**	• To know about Creating a Query • Creating a Form • Creating a Report	LAB Activity : • Creating a Query using Query Design • Creating forms using

			form Wizard
OCTOBER	**CHAPTER:6** **App Development** **PERIODIC-2**	• To know about Introduction to apps • Different types of apps • Design and develop an app • Commonly used Google Apps	Complete the book activity Page No : 103
NOVEMBER	**CHAPTER -7** **Lists, Images, Audio and Video in HTML** **HALF YEARLY**	• To Insert ordered, unordered and definition or description lists • To insert images • Embedding audio and video on a web page	Recall the attribute , description, Example For unordered and ordered lists
DECEMBER	**CHAPTER -8** **Tables in HTML**	• To learn how to create the table in HTML	Create a table with the help of HTML codes and tags
JANUARY	**CHAPTER-9** **Algorithm and Flowcharts**	• To learn about Algorithm and Flowchart	Write an algorithm and draw the flowchart to find the sum of two numbers.
FEBRUARY	**CHAPTER: 10** **Let's Code in C++** **PERIODIC 3**	• Introduction to C++ • Features of C++ • C++ tokens • Features of C++ • Programming in C++	• Write a program to accept the side of a square and display its area and perimeter • Write a program to multiply two numbers entered by the user
MARCH	**Revision Reinforcement of the concepts** **YEARLY EXAM**	• To revise the concepts done so far.	