

**A.A.R Jain Model Sr. Sec. School ,Derabassi**  
**Syllabus of class 10<sup>th</sup> (2023-24)**  
**English**

**April – First Flight- L-1,2, Poem-1,2 Footprints Without Feet - L-1,2**

**Grammar : Tense (96-99) pages**

**Writing - Formal Letters (45-50) pages**

**May – First Flight- L-3,4, Poem-3,4 Footprints Without Feet - L-3,4**

**Grammar : Gap filling ,Sentence re-ordering , Editing (162-172) pages**

**Writing - Analytical Paragraph (76-80) pages**

**June: Do page no-(2-16), (22-25)**

**July :First Flight- L-5,6,7, Poem-5,6 Footprints Without Feet - L-5,6**

**Grammar : Modals (102-104) pages , Determiners (141-144) pages**

**August :First Flight- L-8,9, Poem-7,8 Footprints Without Feet - L-7,8,9**

**Grammar : Reported Speech (127-131) pages**

**Reading: (17-21) pages, (27-30) pages**

**September: Examination**

**October: First Flight- L-10,11, Poem-9,10,11Footprints Without Feet - L-10,11**

**Grammar :Preposition(149-152) pages , Subject Verb (119-121) pages**

**Writing : Letter writing (45-50) pages, Analytical Paragraph (81-85) pages**

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**IT**

**April: Part - A Unit -1 Communication Skills – II**

Part - A Unit -2 Self Management

**May : Part - B Unit -3 Information Technology and Communication**

**June : Summer Vacations**

**July: Part - B Unit -1 Digital Documentation**

Part - B Unit -4 Entrepreneurial skills

**August : Part -B Unit -2 Electronic Spreadsheet**

Part - A Unit -5 Green skills

**October: Part – B Unit -3 DBMS**

Part - A Unit -5 Green skills ,Unit -4 Web Application and Security



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**April:-**

**Geography:-**L-1 Resouces and Development, L-2 Water resources, L-4 Agriculture

**Civics:-**L-1 Power Sharing , L-2 Federation

**May:-**

**History:-**L-1 Nationalism in India

**Civics:-**L-3Caste Religion and Gender

**Economics: -**L-1Development , L-2 Sectors of the Indian Economy

**June:-**Summer Vacations

**July:-**

**Geography:-**L-3 Minerals

**History:-**L-3 The Making of Global World

**Civics:-**L-3Caste Religion and Gender, L-4 Political Parties

**Economics: -**L-3Money and Credit

**August:-**

**Geography:-**L-5Manufacturing Industries, L-6 Lifeline of India

**Economics: L-4** Globalisation of India

**September:-**Examination

**October:-**

**History:-**L-4 The Age of Industrilisation

**Civics:-**L-5Outcomes of Democracy, L-6 Challenges of Democracy

**Economics:Ch-5** Consumer Rights

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**Science**

**April:Chemistry - L-1 Chemical Reactions and Equations , L-2 Acid, Bases and Salts**

**May: Biology - L-6Life processes, L-7Control and Coordination**

**Physics - L-10 Light**

**June:-SummerVacations**

**July: Physics -L-11 Human eye and colourful world , L- 14Sources of Energy**

**Evs-L-15Our Environment**

**August:-Chemistry L-15 Metals and Non –metals**

**Evs-L-16 Management of Natural Resources**

**September:-Examination**

**October:-Chemistry - L-4 Carbonand its compound**

**November: Physics - L-12Electricity**

**Biology - L-8 How do organisms reproduce ? , L-9 Heredity and Evolution**

**December:-Physics -L-13 Magnetic effect of electric current**

**Revision of full syllabus**



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**Maths**

**April:-**Ch-1. Real Number ,Ch-2. Polynomials , Ch-3 Pair of Linear equation in two variables

**Lab Manual Activity:** -1) Graph of Quadratic Polynomials. 2) HCF of two numbers.

**May:-** Ch-4. Quadratic Equation, Ch-5. Airthmatic Progression, Ch-7. Coordinate Geometry

**Lab Manual Activity:**3) Sum of odd natural numbers . 4) Centroid Triangle.

**Art Integrated Activity:**

**May:** To verify given sequence is arithmatic progression by paper cutting and pasting material.

**October :**Verify Pythagoras theorem by method of paper folding and cutting.

**June:** -Summer Vacations

**July:-**Ch-6 . Triangles, Ch-14 . Statistics, Ch-15. Probability

**Lab Manual Activity:**5)BPT th'm for a triangle.

6) To find Median.

**August:** -Ch-10Circles, Ch-8 Introduction to Trignometry , Ch-9 Some applications of Trignometry.

**Lab Manual Activity:** 7) Tangent drawn from an external point to a circle are equal.

8) Area of Circle by Coiling method.

**September:-** S.A-1Ch- 1,2,3,4,5,6,7,8,9,14,15,10

F.A-1 -Ch-1,2,4 bF.A-2Ch-6,5

**Subject Enrichement Activity:-**

**July:** Find the sum of n natural number by activity.

**August:**Students are suggested to cut 5 circles of different colour and radius.find their areas and paste them to form a wheel of archery.

**October:-**Ch-12. Area related to circles,Ch-13. Surface Area and volume

**Lab Manual Activity:**9) Volume of Sphere.

10) Area of sector formed at vertices of  $\triangle$ .

**November:-**Revision Ch-3,7,8,9,10.

**December:-**Revision Ch-14,15,13,12.

**January:-**Revision

**February:-**Revision

**March=** Final Examination

FA-3. Ch-9, Ch-14

FA-4. Ch-12, Ch- 13

**Subject Enrichement Activity:-**

**Nov:** Draw a puzzle of Quadratic Equations  $F(x) = 3(x-4)^2 - 3$  &  $F(x) = (x - 3)^2 - 4$  ,make their factors of these equations and draw its graph also.

**Dec:** Draw a system of similar triangles using Y- shaped strips with nail.