

## PHYSICS (CLASS-X)

Month	Chapter	Activity / Project
April	L-12: Electric Current	<p>– Analyse atleast 10 different metals. Find out their physical properties. Also find (a) their melting point (b) resistivity.</p> <p>– Few questions based on their analysis:                      (a) Categorize which of them can be used as connecting wire and which as heating element. Give reasons to support your answer.                      (b) If temperature changes what will be the changes in the above analysis. (if any)                      (c) Numerical based on resistivity.</p>
May	L-14: Sources of Energy	<p>– Categorize the sources of energy as renewable and non-renewable.                      –Suggest what can be the steps taken to reduce the dependence on non-renewable sources of energy.</p>
June	Holidays Home Work	<p>Make one model on any one these topics:                      (a) Solar energy (b) Light &amp; human eye                      (c) Electricity (d) Magnetism</p> <p><b>Note:</b> The models must be made from simple things available at home. Models purchased from shops will not carry any marks.</p>
July	L-13: Magnetic Effects of Electric Current  FA-2 Syllabus: Lesson-12	Demonstration on plating magnetic field around a bar magnet.
Aug	L-13: (Cont...)	Plating in group magnetic field lines around bar magnet and verify the properties of magnetic field lines.
Sep	Revision  SA-1: Half Yearly Exam. Syllabus: L-12, 13, 14	
Oct	L-10: Light	<p>Demonstration:                      (a) Ray through a glass slab.                      (b) Reflection in spherical mirrors.                      (c) Refraction in spherical lenses.</p>
Nov	L-10: (Cont....)  FA-3	FA-3 is evaluated on the basis of activities & practical skills.
Dec	L-11: Human Eye of Colourful World	Survey atleast ten people wearing spectacles. (In different age groups)

	<b>FA-4</b> Syllabus: Lesson-10	
Jan	L-11: (Cont....)	<ul style="list-style-type: none"> <li>– Find out their power of lens and type of lens.</li> <li>– Chart-out age wise if the person is myopic or hyper-melropic or both.</li> </ul>
Feb	SA-2: Annual Examination Syllabus: Lesson-10, 11	

## CHEMISTRY (CLASS-X)

Month	Chapter	Activity / Project
April	L-1: Chemical Reaction	– Record observation and write conclusion of the demonstration (a) Heating of magnesium ribbon dissolving the powder in water and testing with litmus. (b) Mixing of aqueous solution of $Pb(NO_3)_2$ and KI. (Class Work)  – Questions based on activity. (Class Work) – Assignment (Home Work)
May	L-1: (Cont...) L-2: Acid, Base & Salt	– Record observation and write conclusion of the demonstration. (a) Zinc granules are treated with dilute $H_2SO_4$ . (b) Zinc granules are treated with NaOH. (Class Work)  – Assignments, Class Test (Home Work)
June	Holidays Home Work  <b>FA-1</b>	– Prepare a natural indicator by using any one of the following: (a) Coloured cabbage (purple) (b) Hibiscus flower (China Rose) - (red) (c) Rose flower (red, yellow) (d) Sunflower (yellow)  – Test following items to distinguish them as acidic or alkaline: Shampoo, Face wash, Face cream, Toothpaste, Milk, Curd, Cold drink etc.  Handouts To Be Given With Holidays Home Work
July	L-2: (Cont....)  <b>FA-2: Unit Test-1</b> Syllabus: L-1	– Presentation of holidays home work. (Class Work) – Demonstration of properties of acids & bases. (Class Work) – Record observation & conclusion. (Home Work) – Assignment (Home Work)
Aug	L-3: Metals & Non-Metals  <b>FA-3</b>	– Differentiate between metals & non-metals on the basis of: (a) Physical properties (b) Chemical properties (Class Work)  – Find out the different states of India where iron and aluminium extraction is done. Explain why these factories are not in Delhi?  – Activity based home work. – Assignment (Home Work) – Class Test (Class Work)
Sep	<b>SA-1: Half Yearly Exam</b>	Syllabus: L-1, 2, 3, 03 Practical experiments for MCQ.
Oct	L-4: Carbon & Its Compounds	– Writing – Isomerism, IUPAC names and formulae of Carbon

		compounds. (Class Work)
Nov	L-4: (Cont....)  <b>FA-4: Unit Test-2</b>	– Teacher will demonstrate formation of Ester and students will smell and write observation. (Class Work) – Assignment (Home Work)  Syllabus: Lesson-4
Dec	L-5: Periodic Table	– Discussion to start periodic table. (Class Work) – Benefits and drawbacks of periodic table. (Class Work) – Assignment (Home Work)
Jan-Feb	Revision: L-4 & 5	
Mar	<b>SA-2: Final Examination</b>	Syllabus: L-4, 5, 02 Practical experiments for MCQ.

## BIOLOGY (CLASS-X)

Month	Chapter	Activity / Project
April	Ch-6: Life Processes (Nutrition)	1. Action of salivary amylase on starch. 2. Temporary mount of leaf peel to show stomata. 3. Experiment to show $\text{CO}_2$ is necessary for photosynthesis.
May	Ch-6 (Contd...) Respiration	1. Experiment to show that exhaled air is rich in $\text{CO}_2$ .
June	FA-1 Projects for Holidays Home Work.	Make a project showing causes of certain modern life-style diseases such as diabetes/obesity/blood pressure & suggest ways and means to prevent them.
July	Ch-6: (Contd...) Life Processes (Transpiration & Excretion)  FA-2: Unit Test – Life Processes	1. To show transpiration in plants.
Aug	Ch-7: Control & Co-ordination	1. Taste sugar/salt when you are healthy/having cold. 2. Presentation of knee-jerk experiment.
Sep	Ch-7: (Cont....) Control & Co-ordination  SA-1: Half Yearly Exam	1. Activity to show photo-geo-tropism.  Syllabus: Ch-6 & 7.
Oct	Ch-8: How Do Organism Reproduce	1. Grow bread mould on a piece of leftover chapatti or Slice of bread & observe it with a lens also under microscope.  2. Germinate a few green seed & observe embryo inside it.
Nov	Ch-9: Heredity & Evolution  FA-3: Project Work  FA-4: Unit Test	1. Compare your physical features such as colour & texture of hair, colour of eyes, shape of nose, type of earlobes with those of your mother, father & grand parents. Give reason for your observations.  Prepare a project on fossils showing – What are they? How are they formed and how can we find their age? What advantage do they have for scientists? How is study relevant to study of evolution? Find out some interesting facts & figures about fossils from internet.  Syllabus: Ch-8 & 9.
Dec	Ch-15: Our Environment	1. Bury some domestic & kitchen waste in soil and dig it after 2-3 weeks. See what things can you get as such and what can you not get? Learn about biodegradable and non-biodegradable things.  2. Why are there more plants on earth?  3. How can we manage garbage?

Jan	Ch-16: Management of Natural Resources.	<p>1. Make a list of things which you can do to conserve environment.</p> <p>2. Why are the products of daily needs biodegradable in forests or villages whereas same things are of non-biodegradable nature in cities such as baskets, jute bages, ropes and brooms etc.</p> <p>3. Co-relating resources with sustainable development.</p>
Feb	Revision for SA-3	Syllabus: Chap-8, 9, 15 & 16.

## SOCIAL SCIENCE (CLASS-X)

Month	Chapter	Activity / Project
April	Work, Life & Leisure (H-5) Resources & Development (G-1) Power Sharing (P-1)	Same
May	Development (E-1)	Same
July	History of Novels (H-8) Federalism (P-2) Forest & Wildlife Resources (G-2)  FA-1 Syllabus: H-5, P-1, E-1	Same
Aug	Role of Service Sector (E-2) Democracy and Diversity (P-3) Water Resources (G-3)	Same
Sep	Gender, Caste, Religion (P-4) Agriculture (G-4)  Revision for SA-1 Syllabus: History: L-5, 8 Pol.Sci.: L-1, 2, 3, 4 Geog: L-1, 2, 3, 4 Eco: L-1, 2 Map Work: List of map items on CBSE	Same
Oct	Minerals & Power Resource (G-5)  Nationalist Movement in Indo-China (H-4)	Same
Nov	Popular Struggles & Movements (P-5) Money & Financial System (E-3) Manufacturing Industries (G-6) Political Parties (P-6)  FA-3 Syllabus: L-5 (Geog), L-4(History)	Same
Dec	Globalisation (E-4) Transport, Trade & Communication (G-7) Out-comes of Democracy (P-7)	Same
Jan	Challenges to Democracy (P-8) Consumer Awareness (E-5)	Same
Feb	Nationalism in India (H-3)	Same

## **COMPUTER (Class-X)**

**April-May**---- **Term-I** **Unit-2** **Chap-5** ( Data Management Tool-I)  
**Chap-6** (Data Management Tool-II)  
**Unit-3** **Chap-8**(IT Applications)

**July**----**Term-I** **Unit-1** **Chap-1** (Introduction to Internet)  
**Chap-2** (Browsing the Internet)  
**Unit-2** **Chap-7** (HTML-1)

**Aug**---- **Term-I** **Unit-1** **Chap-3** (E-mail and search engines)  
**Unit-1** **Chap-4** (Web services)  
**Unit-2** **Chap-7** (HTML-1)

**Sep**----Revision of syllabus covered from April to August

**Oct**---- **Term-II** **Unit-1** **Chap-1** (HTML-II)

**Nov**---- **Term-II** **Unit-1** **Chap-2** (XML)

**Dec**---- **Term-II** **Unit-3** **Chap-11** (Societal Impacts of IT)

**Jan**---- **Term-II** **Unit-2** **Chap-10** (IT Applications)

**Feb**---- Revision of syllabus covered from October to January

# कक्षा - कक्षा 10 विषय - संस्कृत वार्षिक पाठ्यक्रम

classmate

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महिना	पाठ्यक्रम	सिद्धान्तक कार्य
अप्रैल	पाठ-1 वाङ्मयं तपः पाठ-2 आज्ञा ही गुरुणा अधिचारणीया स्वर लघि, व्यंजन संधि	<ul style="list-style-type: none"> <li>कक्षा में इलोकोव्याकरण कराया जाएगा</li> <li>संवाद लेखन कराया जाएगा</li> </ul>
मई	पाठ-3 किम् किम् उपादेयम् पाठ-4 नास्ति त्वागतम् सुखम् अवयव - तद्धन्, अनीयर, कन् शान्त्	<ul style="list-style-type: none"> <li>वाह्य गुणों और त्वागत्य दोषों का वर्णन (प्रोजेक्ट कार्य) प्र.न. 6 की कार्ययोजना</li> </ul>
महिना	पाठ्यक्रम	सिद्धान्तक कार्य
जून/जुलै	पाठ-5 अन्यास वसर्ग मगः समास-तत्पुरुष, द्विगु, कर्मधारय	<ul style="list-style-type: none"> <li>अर्जुन और युधिष्ठिर का संवाद लिखो</li> </ul>
अगस्त	पाठ-6 साधुवृत्ति समाचरेत् अव्यय	<ul style="list-style-type: none"> <li>कहानी को संक्षेप में लिखो</li> </ul>

FA 2

पाठ - 1

व्याकरण → स्वर, व्यंजन, संधि, अव्यय

चित्र रचना, अपठित अध्यांश, पत्र, संवाद

SA1	अप्रैल से अगस्त तक पढ़ाया गया सम्पूर्ण पाठ्यक्रम	
अक्टूबर	पाठ-7 दुर्गाया हि सृष्टि एषा	<ul style="list-style-type: none"> <li>नाटक को रम्य में अभिनय</li> </ul>
नवम्बर	पाठ-8 तिलकपुष्पं सुमित जीतम् अवयव - मन्, इनि, टप्, तल्, त्, टप्, डीप्	<ul style="list-style-type: none"> <li>इलोकोव्याकरण कराया जाएगा</li> </ul>
दिसम्बर	पाठ-9 राष्ट्र संरक्षायै इव पाठ-10 सुखागतम् अरुणाचले अस्मिन् अवयव - कर्त्वाच्य, कर्त्वाच्य, साधवाच्य	<ul style="list-style-type: none"> <li>कवि और काव्य परिचय (प्रोजेक्ट कार्य)</li> <li>मानचित्र में अरुणाचल के पर्यटन स्थलों का वर्णन</li> </ul>
जनवरी	पाठ-11 कालीयम्  संख्या, सप्त, शुद्ध-अशुद्ध	<ul style="list-style-type: none"> <li>(सुनादिकों और मालों शुद्ध पदों प्रतिपादाद्यन्म विधी नवती) अस्मिन् वर्ष पञ्चांगि करिम्न् माली, वरिम्न् पदो, कल्याम्, तिथी भवति इति लिख्यताम्</li> </ul>

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कक्षा	Summative Assessment-II (SA-2) Annual Examination
पाठ्यक्रम	SA2 का सम्पूर्ण पाठ्यक्रम
अपेक्षित गणना	समानात्मक कार्य
अनुसूचित आवरण	

FA 4

पाठ-7 श्रमवीया हि सृष्टि: स्था

पाठ-8 तिस्रकुरूल सुक्ति सारभम

प्रत्यय = मतुप्, इति, क्त्, तल्, ल्व, टाप्, डीप्



