**KERALA PLUS TWO SYLLABUS 2022 (STREAM-WISE)**

Kerala Plus Two is divided into three streams: Science, Commerce, and Arts. Each stream has a variety of subjects, and students can choose the combination of subjects in each stream. The following is the information on subject combinations in each stream.

**Kerala Plus Two Subject Combinations for Science Stream**

Students belonging to the Science stream have an opportunity to opt for combinations of subjects like Physics, Mathematics, Biology, Home Science, Chemistry and Computer Science. The following table shows the list of subject combinations a student can opt for in class 12th.

| Kerala Plus Two Subject Combinations for Science Stream | |
| --- | --- |
| **S. No** | **Subjects** |
| 1 | Physics, Chemistry, Mathematics, Biology |
| 2 | Physics, Chemistry, Home Science, Biology |
| 3 | Physics, Chemistry, Mathematics, Home Science |
| 4 | Physics, Chemistry, Mathematics, Geology |
| 5 | Physics, Chemistry, Mathematics, Computer Science |
| 6 | Physics, Chemistry, Mathematics, Electronics |
| 7 | Physics, Chemistry, Computer Science, Geology |
| 8 | Physics, Chemistry, Mathematics, Statistics |
| 9 | Physics, Chemistry, Psychology, Biology |

**Kerala Plus Two Subject Combinations for Commerce Stream**

Students can refer to the following table of subject combinations for the Commerce stream:

| Kerala Plus Two Subject Combinations for Commerce Stream | |
| --- | --- |
| **S.No** | **Subjects** |
| 1 | Business Studies, Accountancy, Economics, Maths |
| 2 | Business Studies, Accountancy, Economics, Statistics |
| 3 | Business Studies, Accountancy, Economics, Politics |
| 4 | Business Studies, Accountancy, Economics, Computer Application |

**Kerala Plus Two Subject Combinations for Humanities Stream**

Students belonging to the Humanities stream have a variety of combinations to choose from. Therefore, students must choose the right combination carefully. Please look into Kerala Plus Two subject combinations for the Humanities stream.

| Kerala Plus Two Subject Combinations for Humanities Stream | |
| --- | --- |
| **S. No** | **Subjects** |
| 1 | History, Economics, Politics, Geography |
| 2 | History, Economics, Politics, Sociology |
| 3 | History, Economics, Politics, Geology |
| 4 | History, Economics, Politics, Gandhian Studies |
| 5 | History, Economics, Politics, Philosophy |
| 6 | History, Economics, Politics, Social Work |
| 7 | Islamic History, Economics, Politics, Geography |
| 8 | Islamic History, Economics, Politics, Sociology |
| 9 | Sociology, Social Work, Psychology, Gandhian Studies |
| 10 | History, Economics, Politics, Psychology |
| 11 | History, Economics, Politics, Anthropology |
| 12 | History, Economics, Politics, Statistics |
| 13 | Sociology, Social Work, Psychology, Statistics |
| 14 | Economics, Statistics, Anthropology, Social Work |
| 15 | History, Economics, Geography, Hindi |
| 16 | History, Economics, Geography, Arabic |
| 17 | History, Economics, Geography, Urdu |
| 18 | History, Economics, Geography, Kannada |
| 19 | History, Economics, Geography, Tamil |
| 20 | History, Economics, Sanskrit Sahitya, Sanskrit Sasthra |
| 21 | History, Philosophy, Sanskrit Sahitya, Sanskrit Sasthra |
| 22 | Economics, Gandhian Studies, Communication English, Computer Application |
| 23 | Sociology, Journalism, Communicative English, Computer Application |
| 24 | Journalism, English Literature, Communicative English, Psychology |
| 25 | History, Economics, Politics, Music |
| 26 | History, Economics, Geography, Malayalam |

KERALA PLUS TWO SYLLABUS 2022 (STREAM-WISE)

The Science stream teaches the areas related to medical, engineering, and other professional fields, whereas the Commerce stream focuses on business-related topics, commerce, trade, and financial matters. Unlike science and commerce, Humanities/Arts stream covers vast areas of study, and the subjects include languages like political science, psychology, sociology, and more.

**Kerala Plus Two Science Syllabus**

The science stream's core subjects are physics, chemistry, mathematics, biology, and computer science. English is a compulsory subject, and there are many other optional language subjects. Please go through the detailed syllabus given below. Students can find syllabus of the subjects they have chosen.

Kerala Plus Two Physics Syllabus

Physics syllabus is divided into two parts: Part 1 and Part 2 with chapters like electric charges and fields and atoms. The following is the Kerala Plus Two syllabus for physics:

**Physics Part 1**

* **Chapter 1:**Electric Charges and Fields
* **Chapter 2:**Electrostatic Potential and Capacitance
* **Chapter 3:**Current Electricity
* **Chapter 4:**Moving Charges and Magnetism
* **Chapter 5:**Magnetism and Matter
* **Chapter 6:**Electromagnetic Induction
* **Chapter 7:**Alternating Current
* **Chapter 8:**Electromagnetic Waves

**Physics Part 2**

* **Chapter 9:**Ray Optics and Optical Instruments
* **Chapter 10:**Wave Optics
* **Chapter 11:**Dual Nature of Radiation and Matter
* **Chapter 12:**Atoms
* **Chapter 13:**Nuclei
* **Chapter 14:**Semiconductor Electronics: Materials, Devices, and Simple Circuits
* **Chapter 15:**Communication Systems

Kerala Plus Two Chemistry Syllabus

Here is the Plus Two syllabus for chemistry for the current academic year below:

**Chemistry Part  1**

* **Unit 1:**The Solid State
* **Unit 2:**Solutions
* **Unit 3:**Electrochemistry
* **Unit 4:**Chemical Kinetics
* **Unit 5:**Surface Chemistry
* **Unit 6:**General Principles and Processes of Isolation of Elements
* **Unit 7:**The p-block Elements
* **Unit 8:**The d and f – block Elements
* **Unit 9:**Coordination Compounds

**Chemistry Part 2**

* **Unit 10:**Haloalkanes and Haloarenes
* **Unit 11:**Alcohols, Phenols and Ethers
* **Unit 12:**Aldehydes, Ketones and Carboxylic Acids
* **Unit 13:**Amines
* **Unit 14:**Biomolecules
* **Unit 15:**Polymers
* **Unit 16:**Chemistry in Everyday Life

Kerala Plus Two Biology Syllabus

The topics for Kerala Plus Two biology consist of cell structure, plant physiology, etc. The units that will be taught in the Biology subject is given below:

* **Unit 1**: Diversity in the Living World
* **Unit 2**: Structural Organisation in Plants and Animals
* **Unit 3**: Cell - Structure and Functions
* **Unit 4**: Plant Physiology
* **Unit 5**: Human Physiology

Kerala Plus Two Botany Syllabus

The following are the units in Kerala Plus Two Botany.

* **Unit 1:**Reproduction in organisms
* **Unit 2:**Sexual Reproduction in Flowering Plants
* **Unit 3:**Strategies for Enhancement in Food Production
* **Unit 4:**Biotechnology: Principles and Processes
* **Unit 5:**Biotechnology and its Applications
* **Unit 6:**Organisms And Population
* **Unit 7:**Ecosystem
* **Unit 8:**Environmental Issues

Kerala Plus Two Zoology Syllabus

* **Unit 1:**Human Reproduction
* **Unit 2:**Reproductive Health
* **Unit 3:**Principles of Inheritance And Variation
* **Unit 4:**Molecular Basis of Inheritance
* **Unit 5:**Evolution
* **Unit 6:**Human Health and Disease
* **Unit 7:**Microbes in Human Welfare
* **Unit 8:**Biodiversity & Conservation

Kerala Plus Two Statistics Syllabus

* Correlation Analysis
* Regression Analysis
* Elementary Calculus
* Random Variables
* Discrete Probability Distributions
* Normal Distribution
* Sampling Distributions
* Estimation of Parameters
* Testing of Hypothesis
* Analysis of Variance
* Statistical Quality control
* Time Series
* Index Numbers

Kerala Plus Two CS-IT Syllabus

* Structures & Pointers
* Object-Oriented programming
* Data Structure & Operations
* Web Technology
* Web Designing Using HTML
* Client-side scripting
* Web Hosting
* Database Management System
* Structured Query Language
* Server-side scripting using PHP
* Advances in Computing
* ICT and Society

**Kerala Plus Two Commerce Syllabus**

Economics, Business Studies, and Mathematics are the core subjects of the Commerce stream. However, English is a compulsory subject similar to that of the other two streams.

Kerala Plus Two Mathematics Syllabus

Mathematics is a subject that requires consistent effort and practice. Therefore, students must go through the Kerala Plus Two syllabus to prepare accordingly.

**Maths Part 1**

* **Chapter 1:**Relations and Functions
* **Chapter 2:**Inverse Trigonometric Functions
* **Chapter 3:**Matrices
* **Chapter 4:**Determinants
* **Chapter 5:**Continuity and Differentiability
* **Chapter 6:**Application of Derivatives

**Maths Part 2**

* **Chapter 7:**Application of Integrals
* **Chapter 8:**Integrals
* **Chapter 9:**Differential Equations
* **Chapter 10:**Vector Algebra
* **Chapter 11:**Three Dimensional Geometry
* **Chapter 12:**Linear Programming
* **Chapter 13:**Probability

Kerala Plus Two Accountancy Syllabus

The following are the chapters that are taught in the Kerala Plus Accountancy subject. Students can go through the syllabus to prepare accordingly -

**Accountancy Part 1**

* **Chapter 1**: Accounting for Not-for-Profit Organisation
* **Chapter 2**: Accounting for Partnership: Basic Concepts
* **Chapter 3**: Reconstitution of a Partnership Firm – Admission 112 of a Partner
* **Chapter 4**: Reconstitution of a Partnership Firm – 172 Retirement/Death of a Partner
* **Chapter 5**: Dissolution of Partnership Firm

**Accountancy Part 2**

* **Chapter 1**: Accounting for Share Capital
* **Chapter 2**: Issue and Redemption of Debentures
* **Chapter 3**: Financial Statements of a Company
* **Chapter 4**: Analysis of Financial Statement
* **Chapter 5**: Accounting Ratios
* **Chapter 6**: Cash Flow Statement

Kerala Plus Two Business Studies Syllabus

Kerala class 12th Business Studies subject provides strategies and scientific approaches in business fields. The syllabus is so exhaustive, as given below:

**Business Studies Part 1**

* **Chapter 1:** Nature and Significance of Management
* **Chapter 2:** Principles of Management
* **Chapter 3:** Business Environment
* **Chapter 4:** Planning
* **Chapter 5:** Organising
* **Chapter 6:** Staffing
* **Chapter 7:** Directing
* **Chapter 8:** Controlling

**Business Studies Part 2**

* **Chapter 9:** Financial Management
* **Chapter 10:** Financial Markets
* **Chapter 11:** Marketing
* **Chapter 12:** Consumer protection