

SECTION 1 VERBAL REASONING	
CODE	TOPIC
NA01	Series Completion
NA02	Missing Characters
NA03	Classification
NA04	Analogy
NA05	Coding Decoding
NA06	Puzzle Test
NA07	Direction Sense
NA08	Venn Diagram
NA09	Syllogism
NA10	Tests (Number Test, Ranking Test, Time sequence test)
NA11	Blood Relation
NA12	Mathematical Operations
NA13	Sequential output tracing
NA14	Statement and conclusion

SECTION 2 QUANTITATIVE APTITUDE	
CODE	TOPIC
NA15	Linear Equations
NA16	Ratio & Proportion
NA17	Percentages
NA18	Time & Work
NA19	Cistern & Pipes
NA20	Speed, distance & Time
NA21	Profit & Loss
NA22	Simple Interest & Compound Interest
NA23	Clocks and calendars

NTSE

SECTION 3 NON VERBAL REASONING	
CODE	TOPIC
NA24	Classification(Odd one out)
NA25	Series
NA26	Analogy
NA27	Incomplete Figures
NA28	Embedded Figures
NA29	Water Image and Mirror Image
NA30	Dot Fixing
NA31	Counting Figures

SECTION 4 SPATIAL ABILITY	
CODE	TOPIC
NA32	Transparent paper Folding
NA33	Folding Paper cutting
NA34	Cubes and Dices

SECTION 1 PHYSICS	
CODE	TOPIC
NP01	Mechanics Part I (Motion)
NP02	Mechanics Part II (Force and Floating Bodies)
NP03	Gravitation
NP04	Work and Energy
NP05	Heat
NP06	Wave motion and sound
NP07	Reflection of light
NP08	Refraction of light
NP09	Electric Current
NP10	Heating and Magnetic Effects of current
NP11	Sources of energy
NP12	Measurement and exploring the universe

SECTION 2 CHEMISTRY	
CODE	TOPIC
NC01	States of matter and Solutions
NC02	Atoms, Molecules and Mole Concept
NC03	Structure of atom
NC04	Chemical Reactions
NC05	Acids, Bases and Salts
NC06	Metals & Non-metals - I (Chemical properties, activity series)
NC07	Metals & Non-metals - II (Metallurgy, some important metals & alloys, cement, steel, glass)
NC08	Chemical bonding
NC09	Carbon and its compounds - I (Allotropes, Catenation, Tetra valency, Homologous series, nomenclature, functional groups)
NC10	Carbon and Its compounds - II (Reactions-oxidation, addition, substitution, ethanol, ethanoic acid esterification, saponification)
NC11	Periodic Properties

SECTION 3 MATHEMATICS	
CODE	TOPIC
NM01	Number System
NM02	Algebra - I (Linear equations & Algebraic Identities)
NM03	Algebra - II (Polynomials, Surds/Indices)
NM04	Algebra - III (Quadratic Equations)
NM05	Trigonometry
NM06	Heights and Distances
NM07	Mensuration - I (Planes)
NM08	Mensuration - II (Solids)
NM09	Arithmetic Progression
NM10	Statistics
NM11	Geometry - I (Lines and angles, Triangles)
NM12	Geometry - II (Circles, Quadrilaterals)
NM13	Probability
NM14	Coordinate geometry

SECTION 4 BIOLOGY	
CODE	TOPIC
NB01	Structure of a Cell
NB02	Tissues
NB03	Diversity in living organisms - I
NB04	Diversity in living organisms - II
NB05	Health and diseases
NB06	Natural resources & their management
NB07	Nutrition
NB08	Transportation and Respiration
NB09	Excretion and locomotion
NB10	Control and coordination
NB11	Reproduction and growth
NB12	Heredity and Evolution



Avanti

JUMPSTART

CBSE + IIT JEE FOUNDATION

COURSE PLANNER

Science and Math program for Class IX and X

18-20 Hrs
of Contact
Per Week

call 8268049991 or visit www.avanti.in

MONTH	WEEK	PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS	FOUNDATION*
APRIL	1	9P01 - Motion	9C01 - Matter in our Surroundings	9B01 - The Fundamental Unit of Life	9M01 - Number Systems (3)	Trigonometry
	2	9P01 - Motion	9C01 - Matter in our Surroundings	9B01 - The Fundamental Unit of Life	9M01 - Number Systems (2) 9M01 - Test	Trigonometry
	3	9P01 - Motion	9C01 - Matter in our Surroundings	9B01 - The Fundamental Unit of Life	9M02 - Polynomials (3)	Trigonometry
	4	9P01 - Motion	9C01 - Matter in our Surroundings	9B01 - Revision Class	9M02 - Polynomials (3)	Calculus - Differentiation
MAY	5	9P01 - Revision Class	9C01 - Revision Class	9B01 - Test	9M02 - Test 9M03 - Coordinate Geometry (2)	Calculus - Differentiation
	6	9P01 - Test	9C01 - Test			Calculus - Differentiation
	7					Trigonometry - Test Calculus - Differentiation - Test
	8	SCHOOL HOLIDAYS				
JUNE	9					
	10	9P02 - Force and Laws of Motion	9C02 - Is Matter around us Pure	9B02 - Tissues	9M05 - Euclid (2) 9M03 + 9M05 - Combined Test	Motion in a Straight Line
	11	9P02 - Force and Laws of Motion	9C02 - Is Matter around us Pure	9B02 - Tissues	9M06 - Lines & Angles (3)	Motion in a Straight Line
	12	9P02 - Force and Laws of Motion	9C02 - Is Matter around us Pure	9B02 - Tissues	9M06 - Lines and Angles (2) 9M06 - Test	Motion in a Straight Line
JULY	13	9P02 - Force and Laws of Motion	9C02 - Is Matter around us Pure	9B02 - Tissues	9M07 - Triangles (3)	Vectors
	14	9P02 - Revision Class	9C02 - Revision Class	9B02 - Revision Class	9M07 - Triangles (2) 9M07 - Test	Vectors
	15	9P02 - Test	9C02 - Test	9B02 - Test	9M12 - Heron's Formula (2) 9M12 - Tests	Vectors
	16	9P03 - Gravitation (2 classes)	Physics Class instead	9B06 - Improvement in Food Resources		Integration
AUGUST	17	9P03 - Revision Class	Biology Class instead	9B06 - Improvement in Food Resources (2 classes)		Integration
	18	9P03 - Test		9B06 - Test		Motion in a Straight Line - Test Vectors - Test Integration - Test
	19	REVISION FOR SCHOOL EXAMS + PRACTICE TESTS				
	20	REVISION FOR SCHOOL EXAMS + PRACTICE TESTS				
SEPTEMBER	21	REVISION FOR SCHOOL EXAMS + PRACTICE TESTS				
	22	SCHOOL EXAMS - AVANTI HOLIDAYS				
	23	SCHOOL EXAMS - AVANTI HOLIDAYS				
	24	SCHOOL EXAMS - AVANTI HOLIDAYS				
OCTOBER	25	9P03 - Gravitation (Floatation)	9C03 - Atoms and Molecules	9B03 - Diversity in Living Organisms	9M04 - Linear Equations (3)	Motion in a Plane
	26	9P04 - Work and Energy	9C03 - Atoms and Molecules	9B03 - Diversity in Living Organisms	9M04 - Test 9M08 - Quadrilaterals (2)	Motion in a Plane
	27	9P04 - Work and Energy	9C03 - Atoms and Molecules	9B03 - Diversity in Living Organisms	9M08 - Quadrilaterals (3)	Logarithms
	28	9P04 - Work and Energy	9C03 - Atoms and Molecules	9B03 - Diversity in Living Organisms	9M08 - Quadrilaterals (1) 9M08 - Test	Motion in a Plane - Test Logarithms - Test
NOVEMBER	29	AVANTI HOLIDAYS - DIWALI				
	30	AVANTI HOLIDAYS - DIWALI				
	31	9P04 - Work and Energy	9C03 - Atoms and Molecules	9B03 - Diversity in Living Organisms	9M09 - Area of Parallelograms (3)	Force
	32	9P04 - Revision Class	9C03 - Revision Class	9B03 - Revision Class	9M09 - Test 9M10 - Circles (2)	Force
DECEMBER	33	9P04 - Test	9C03 - Test	9B03 - Test	9M10 - Circles (3)	Force
	34	9P05 - Sound	9C04 - Structure of the Atom	9B04 - Why Do We Fall Ill	9M10 - Test 9M11 - Constructions (2)	Force
	35	9P05 - Sound	9C04 - Structure of the Atom	9B04 - Why Do We Fall Ill	9M11 - Test 9M13 - Surface Areas (1)	Mole Concept
	36	9P05 - Sound	9C04 - Structure of the Atom	9B04 - Why Do We Fall Ill	9M13 - Surface Areas (3)	Mole Concept
JANUARY	37	9P05 - Sound	9C04 - Revision Class	9B04 - Revision Class	9M13 - Surface Areas (1) 9M13 - Test 9M14 - Statistics (1)	Mole Concept
	38	9P05 - Sound	9C04 - Test	9B04 - Test	9M14 - Statistics (3)	Structure of Atom
	39	Biology Class instead	Biology Class instead	9B05 - Natural Resources (3 classes)	9M14 - Statistics (2)	Structure of Atom
	40	9P05 - Revision Class		9B05 - Revision Class	9M15 - Probability (2) 9M14 + 9M15 - Combined Test	Structure of Atom
FEBRUARY	41	9P05 - Test		9B05 - Test		Force-Test Mole Concept-Test Structure of Atom-Test
	42	REVISION FOR FINAL EXAMS + PRACTICE TESTS				
	43	REVISION FOR FINAL EXAMS + PRACTICE TESTS				
	44	REVISION FOR FINAL EXAMS + PRACTICE TESTS				
MARCH	45	SCHOOL EXAMS - AVANTI HOLIDAYS				
	46	SCHOOL EXAMS - AVANTI HOLIDAYS				
	47	SCHOOL EXAMS - AVANTI HOLIDAYS				

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MONTH	WEEK	PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS	FOUNDATION*
APRIL	1	10P03 - Electricity	10C01 - Chemical Reactions & Equations (2)	10B01 - Life Processes	10M01 - Real Numbers (2)	Permutations & Combinations
	2	10P03 - Electricity (2)	10C01 - Revision Class	10B01 - Life Processes	10M01 - Real Numbers (2)	Permutations & Combinations
	3	10P03 - Electricity + Revision Class	10C01 - Test	10B01 - Life Processes	10M01 - Revision 10M01 - Test	Permutations & Combinations
	4	10P03 - Test	10C02 - Acids, Bases & Salts (2)	10B01 - Life Processes	10M02 - Polynomials (2)	Permutations & Combinations
MAY	5	10P04 - Magnetic Effects of Electric Current (2)	10C02 - Acids, Bases and Salts	10B01 - Life Processes	10M02 - Polynomials (2)	Chemical Equilibrium
	6	10P04 - Magnetic Effects of Electric Current	10C02 - Acids, Bases and Salts (2)	10B01 - Life Processes	10M02 - Revision 10M02 - Test	Chemical Equilibrium
	7	SCHOOL HOLIDAYS				
	8	SCHOOL HOLIDAYS				
JUNE	9	10P04 - Magnetic Effects of Electric Current	10C02 - Acids, Bases and Salts	10B01 - Revision Class	10M03 - Linear Equations (3)	Static Electricity
	10	10P04 - Magnetic Effects of Electric Current	10C02 - Revision Class	10B01 - Test	10M03 - Linear Equations (3)	Static Electricity
	11	10P04 - Revision Class	10C02 - Test	10B02 - Control & Coordination	10M03 - Test 10M06 - Triangles (2)	Static Electricity
	12	10P04 - Test	10C03 - Metals and Non-metals	10B02 - Control & Coordination	10M06 - Triangles (3)	Redox Reactions
JULY	13	10P05 - Sources of Energy	10C03 - Metals and Non-metals	10B02 - Control and Coordination	10M06 - Test 10M08 - Trigonometry (2)	Redox Reactions
	14	10P05 - Sources of Energy	10C03 - Metals and Non-metals (2)	10B02 - Control and Coordination	10M08 - Trigonometry (3)	Redox Reactions
	15	10P05 - Sources of Energy	10C03 - Metals & Non-metals + Revision Class	10B02 - Revision Class	10M08 - Test 10M14 - Statistics (2)	Inequalities
	16	10P05 - Test + Revision Class	10C03 - Test	10B02 - Test	10M14 - Statistics (3)	Inequalities
AUGUST	17	SCIENCE - REVISION			10M14 - Statistics Revision 10M14 - Test	Test
	18	REVISION FOR SCHOOL EXAMS + PRACTICE TESTS				
	19	REVISION FOR SCHOOL EXAMS + PRACTICE TESTS				
	20	REVISION FOR SCHOOL EXAMS + PRACTICE TESTS				
SEPTEMBER	21	REVISION FOR SCHOOL EXAMS + PRACTICE TESTS				
	22	SCHOOL EXAMS - AVANTI HOLIDAYS				
	23	SCHOOL EXAMS - AVANTI HOLIDAYS				
	24	SCHOOL EXAMS - AVANTI HOLIDAYS				
OCTOBER	25	10P01 - Light	10C04 - Carbon and its Compounds	10B03 - How Do Organisms Reproduce	10M04 - Quadratic Equations (3)	Current Electricity
	26	10P01 - Light	10C04 - Carbon and its Compounds	10B03 - How Do Organisms Reproduce	10M04 - Quadratic Equations (2) 10M04 - Test	Current Electricity
	27	10P01 - Light	10C04 - Carbon and its Compounds	10B03 - How Do Organisms Reproduce	10M05 - Arithmetic Progressions (3)	Vectors - Recap + Cross Product
	28	10P01 - Light	10C04 - Carbon and its Compounds	10B03 - How Do Organisms Reproduce (2 classes)	10M05 - Revision 10M05 - Test	Current Electricity-Test Vectors - Recap + Cross Product - Test
NOVEMBER	29	AVANTI HOLIDAYS - DIWALI				
	30	AVANTI HOLIDAYS - DIWALI				
	31	10P01 - Light	10C04 - Carbon and its Compounds	10B03 - How Do Organisms Reproduce	10M07 - Coordinate Geometry (3)	Advanced Trigonometry
	32	10P01 - Light	10C04 - Carbon and its Compounds + Revision class	10B03 - Revision Class	10M07 - Test 10M09 - Application of Trigonometry	Advanced Trigonometry
DECEMBER	33	10P01 - Revision Class	10C04 - Test	10B03 - Test	10M09 - Revision Class 10M09 - Test 10M10 - Circles	Advanced Trigonometry
	34	10P01 - Test	10C05 - Periodic Classification of Elements	10B04 - Heredity and Evolution (2)	10M10 - Circles 10M12 - Areas related to Circles	Coordinate Geometry
	35	10P02 - Human eye and the colourful world	10C05 - Periodic Classification of Elements	10B04 - Heredity and Evolution	10M12 - Areas related to Circles (2) 10M10 + 10M12 - Combined Test	Coordinate Geometry
	36	10P02 - Human eye and the colourful world	10C05 - Periodic Classification of Elements	10B04 - Heredity & Evolution 10B04 - Revision Class	10M11 - Constructions (2)	Chemical Bonding
JANUARY	37	10P02 - Human eye & the colourful world	10C05 - Revision Class	10B04 - Test 10B05 - Our Environment	10M13 - Surface Areas and Volumes (2)	Chemical Bonding
	38	10P02 - Human eye & the colourful world	10C05 - Test	10B05 - Our Environment 10B06 - Management of Natural Resources	10M13 - Revision 10M11 + 10M13 - Combined Test	General Organic Chemistry
	39	10P02 - Revision	Physics class instead	10B06 - Management of Natural Resources	10M15 - Probability (2) 10M15 - Revision Class	General Organic Chemistry
	40	Biology class instead	Biology class instead	10B05 + 10B06 - Revision 10B05 + 10B06 - Test	10M15 - Test	Test
FEBRUARY	41	REVISION FOR FINAL EXAMS + PRACTICE TESTS				
	42	REVISION FOR FINAL EXAMS + PRACTICE TESTS				
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