D.A.V. INTERNATIONAL SCHOOL

AHMEDABAD

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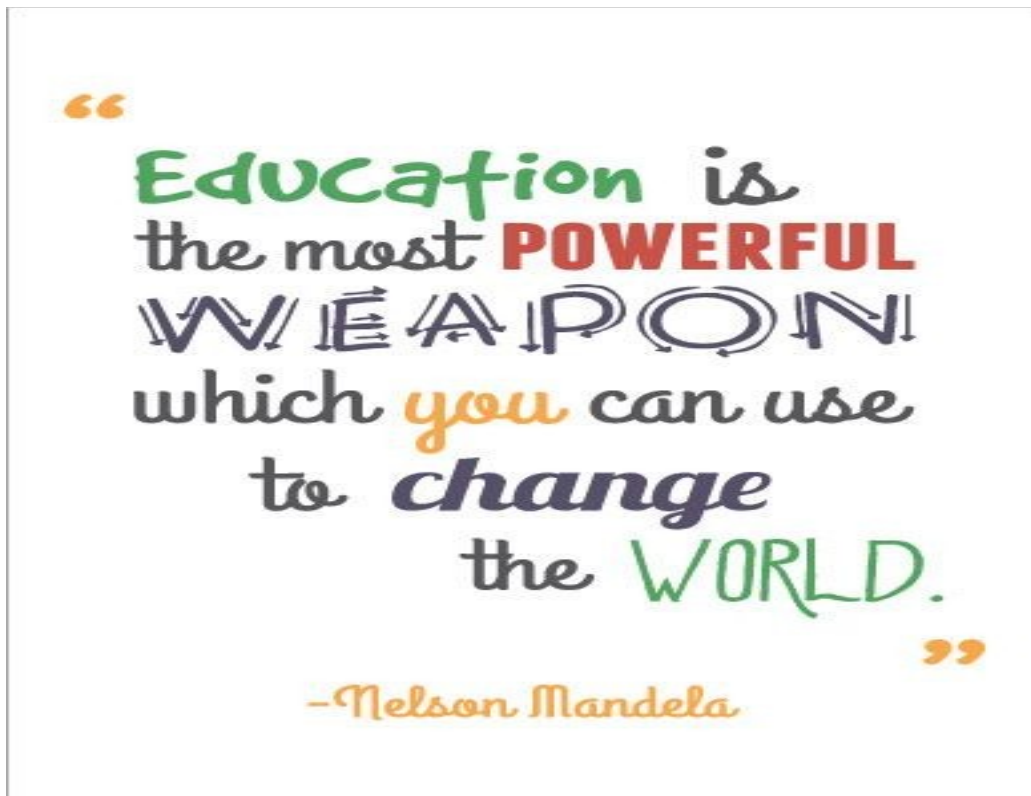SYLLABUS

GRADE 11

2019-20

TENTATIVE DATES FOR EXAM (already mentioned in Activity Schedule)	
Examination Name	Month
Periodic Assessment 1(Term 1)	15/7/2019 to 23/7/2019
Half Yearly Exam (Periodic Assessment-2)	16/9/2019 to 27/9/2019
Periodic Assessment 3	25/11/2019 to 03/12/2019
Annual Exam	As per DAV Board

" Education is the most POWERFUL WEAPON which you can use to change the WORLD. "

—Nelson Mandela

CHEMISTRY

<table>
<tr><td colspan="3" align="center">Term: 1</td></tr>
<tr><td align="center">Month</td><td align="center">Syllabus</td><td align="center">Evaluation</td></tr>
<tr><td align="center"><u>April</u></td><td>Chapter- Some basic concept of chemistry
Chapter- Atomic structure</td><td></td></tr>
<tr><td align="center"><u>May</u></td><td align="center">Summer Break</td><td></td></tr>
<tr><td align="center"><u>June</u></td><td>Chapter- Periodic classification of elements in the periodic table
Chapter- Chemical bonding</td><td></td></tr>
<tr><td colspan="3">PA 1 EXAM SYLLABUS:chapter 1and 2</td></tr>
<tr><td align="center"><u>July</u></td><td>continuation of chapter 4
Chapter-States of matter
Chapter-Redox reaction</td><td>PA 1</td></tr>
<tr><td align="center"><u>August</u></td><td>Chapter- solid state
Chapter-s-block elements
Chapter-12 – p-block elements</td><td></td></tr>
<tr><td align="center"><u>September</u></td><td>continuation of p-block</td><td>HALF YEARLY</td></tr>
<tr><td colspan="3">HALF YEARLY EXAM
Complete Term I syllabus done from <u>April to September</u></td></tr>
<tr><td colspan="3" align="center">Term : 2</td></tr>
<tr><td align="center"><u>October</u></td><td>Chapter-Basic principles of organic chemistry
Chapter-Hydrocarbon</td><td></td></tr>
<tr><td align="center"><u>November</u></td><td>Chapter-continuation of hydrocarbon
Chapter-Thermodynamics</td><td>PA 2</td></tr>
<tr><td colspan="3" align="center">PA 2 EXAM-ch-Hydrocarbon some basic concept of O.C</td></tr>
<tr><td align="center"><u>December</u></td><td>Chapter- Physical equilibrium
Chapter -chemical equilibrium</td><td></td></tr>
<tr><td align="center"><u>January</u></td><td>Chapter-environmental chemistry
Chapter-Hydrogen</td><td></td></tr>
<tr><td align="center"><u>February</u></td><td>Revision</td><td>Annual Exam</td></tr>
<tr><td colspan="3" align="center">ANNUAL EXAM
Full course</td></tr>
</table>

PHYSICS

Term: 1		
Month	Syllabus	Evaluation
April	Ch 1: Physical world Ch2: Units and Measurements	
May	Summer Break	
June	Ch3: Motion in a Straight Line Ch4: Motion in a Plane	
PA 1 EXAM Ch-1, 2,3and 4		
July	Ch5: Laws of Motion Ch6: Work, Energy and Power	PA 1
August	Ch8: Gravitation	
September	Ch7: System of Particles and Rotational Motion	HALF YEARLY
HALF YEARLY EXAM Complete Term I syllabus done from April to September		
Term : 2		
October	Ch9: Mechanical Properties of Solids Ch10: Mechanical Properties of Fluids Ch11: Thermal Properties of Matter	
November	Ch12: Thermodynamics Ch13: Kinetic Theory Ch14: Oscillations and waves	PA 2
PA 2 EXAM Ch 12, 13, and 14		
December	Ch15: Ray Optics	
January	Revision	
February	Revision	Annual Exam
ANNUAL EXAM Full course		

BIOLOGY

Term: 1		
Month	Syllabus	Evaluation
April	Chapter- 1-The Living world Chapter- 2-Biological Classification	
May	Summer Break	
June	Chapter- 3 - Plant Kingdom Chapter- 4- Animal kingdom	
PA 1 EXAM		
Ch 1,2,3		
July	Chapter- 4- Animal kingdom (conti..) Chapter- 5- Morphology of flowering plant_ Chapter- 6- Anatomy of flowering plant	PA 1
August	Chapter-7-Structural Organisation in Animals Chapter -8- Cell : The unit of life Chapter-9- Biomolecules	
September	Chapter-10-Cell cycle and Cell division_ Chapter-11- Transport in plants Chapter-12 – Mineral Nutrition	HALF YEARLY
HALF YEARLY EXAM		
Complete Term I syllabus done from April to 10th September.		
Term : 2		
October	Chapter-13 – photosynthesis in plants Chapter-14 – Respiration in plants	
November	Chapter-15 – Plants growth and development Chapter-16 – Digestion and absorption Chapter-17 – Breathing and Exchange of gases	PA 2
PA 2 EXAM		
Ch-13,14		
December	Chapter-18 – Body fluids and Circulation Chapter-19 – Products and Their Elimination Chapter-20 – Locomotion and Movement Chapter-21 – Neural control and coordination	
January	Chapter-22 – Chemical coordination and Integration.	
February	Revision	Annual Exam
ANNUAL EXAM		
Full course		

COMPUTER SCIENCE

Term: 1		
Month	Syllabus	Evaluation
April	**Unit 1: Computer Systems and Organisation** Basic computer organization, Types of software, Memory Units ,Boolean logic, Strings	
May	**Summer Break**	
June	Basic concepts of Flowchart, Concept of Compiler & Interpreter, Running a program Concept of cloud computing, cloud (public/private), introduction to parallel computing.	

PA 1 EXAM

Syllabus:- Basic concepts of Flowchart, Concept of Compiler & Interpreter, Number system, Features of Python, Python Character Set, Token & Identifiers, Keywords,Literals, Delimiters, operators

July	**Unit 2: Computational Thinking andProgramming** Basics of Computational Thinking, Familiarization with the basics of Python programming,	PA 1
August	Features of Python, Python Character Set, Token & Identifiers, Keywords, Literals, Delimiters, operators, Comments Introduce the notion of a variable, and methods to manipulate it, data types and operators, Operators & types	
September	Conditional statements, Notion of iterative computation and control flow: for(range(),len()),while,flowcharts, suggested programs: interest calculation and factorials, etc. Idea of debugging, Lists, tuples and dictionary, Sorting algorithm, Strings, Introduction to Python modules: Importing math (sqrt, cell, floor, pow, fabs, sin, cos, tan, random (random, randint, randrange), statistics (mean, median, mode) modules.	HALF YEARLY

HALF YEARLY EXAM

Complete Term I syllabus done from April to September

Term : 2		
October	**Unit 3: Data Management**	

	Relational databases, Use SQL,	
November	Aggregate functions, Basics of NoSQL databases.	PA 2

PA 2 EXAM

Syllabus:-Operators, Conditional statements, Relational databases, Use SQL, Aggregate functions, Basics of NoSQL databases.

December	**Unit 4: Society, Law and Ethics – Cyber safety** Cyber safety, Appropriate usage of social networks, Safely accessing web sites, Safely communicating data	
January	Revision	
February	Revision	Annual Exam

ANNUAL EXAM
Full course

ENGLISH

Term: 1		
Month	Syllabus	Evaluation
April	H.B.-The portrait,Not afraid to die.., SShots:WhiteHorse,The Address **Activity:Group Activity**: Write biography of any such person who helps you to lead a comfortable life. Grammar: Integrated Grammar	
May	**Summer Break**	
June	HB:DiscoveringTut,The ailing planet SShots:Ranga'sMarriage,Einstine Grammar:Integrated Grammar Class Assessment	

PA 1 EXAM
The portrait, Not afraid to die…, Biography, integrated grammar

July	SShots: Mother's Day, Birth HB: Browning Version, Photograph Assessment of Speaking and Listening Skills Grammar: Integrated Grammar Novel: Canterville Ghost (1 to 15)	PA 1
August	Revision of the portion from April to August Grammar Integrated	
September	HB:The voice… SShots: The tale… Class Assessment Grammar: Integrated Grammar	HALF YEARLY

HALF YEARLY EXAM
Complete Term I syllabus done from April to September

Term : 2		
October	HB: Childhood, Father to son Grammar: Integrated Grammar	
November	Grammar: Integrated Grammar Novel: ch. 5-7 Learning assessment	PA 2

PA 2 EXAM
Childhood, Father to son, invitation, integrated grammar

December	REVISION/VLS	
January	Literature:-Revision/Learning Classes Grammar: Revision/Learning Classes	
February	Literature:-Revision/Learning Classes Grammar: Revision/Learning Classes	Annual Exam

ECONOMICS

Term: 1		
Month	Syllabus	Evaluation
April	Statistics: Ch 1 Introduction to Statistics Microeconomics: Introduction to Microeconomics	
May	Summer Break	
June	Statistics: Ch 2 Collection, Organization and presentation of Data Microeconomics: Ch 2 Central problems of the Economy Ch 3 Consumer's Equilibrium	
PA 1 EXAM Statistics: Ch 1 & 2; Microeconomics: Ch 1		
July	Statistics: Ch 2 continued Microeconomics: Ch 3 continued	PA 1
August	Statistics: Measures of Central Tendency Microeconomics: Theory of Demand	
September	Statistics: (continued) Microeconomics: Elasticity of Demand, Forms of market	HALF YEARLY
HALF YEARLY EXAM Complete Term I syllabus done from April to September		
Term : 2		
October	Statistics: Measures of Dispersion Microeconomics: Theory of Supply and elasticity	
November	Statistics: Correlation Microeconomics: Production function, concepts of Cost and Revenue	PA 2
PA 2 EXAM Macroeconomics: Elasticity of Demand, Forms of market		
December	Statistics: Index Number Microeconomics: Price determination and simple applications of the tools of demand and supply, producer's equilibrium	
January	Revision	Annual Exam
February	Revision	
ANNUAL EXAM Full course		

ACCOUNTS

Term: 1		
Month	Syllabus	Evaluation
April	Unit 1 Theoretical Framework Introduction to Accounting Theory base of Accounting	
May	Summer Break	
June	Unit 2 Accounting Process Recording of transaction Accounting equations	
PA 1 EXAM Unit 1 & 2		
July	Journal entries Ledger, Trial balance	PA 1
August	Cash book Purchase book , sales book and other subsidiary book Bank Reconciliation statement	
September	Depriciation, Provision and Reserves Accounting for Bill of Exchange	HALF YEARLY
HALF YEARLY EXAM Complete Term I syllabus done from April to September		
Term : 2		
October	Rectification of Errors Unit 3 Financial Accounting	
November	Final Accounts(continued)	PA 2
PA 2 EXAM Bills of Exchange, Rectification of errors, Trading Account and PNL account		
December	Single Entry System	
January	Revision	
February	DAV Board Exam	Annual Exam
ANNUAL EXAM Full course		

BUSSINESS STUDIES

Term: 1		
Month	Syllabus	Evaluation
April	Chapter - 1Nature and purpose of Business Chapter – 2Form of Business Organisations	
May	Summer Break	
June	Chapter 2 continued Chapter 3 Public, Private and Global Enterprises	
PA 1 EXAM Ch 1 & 2		
July	Chapter - 3 continued Chapter -4 Business services	PA 1
August	Chapter – 5 continued Chapter – 6 Social responsibility of Business and Business ethics	
September	Chapter – 7 Sources of Business Finance	HALF YEARLY
HALF YEARLY EXAM Complete Term I syllabus done from April to September		
Term : 2		
October	Chapter 8Small Business	
November	Chapter 9 Internal Trade	PA 2
PA 2 EXAM Ch 7 & 8		
December	Chapter - 10 International Business Revision	
January	Revision	
February	Revision	Annual Exam
ANNUAL EXAM Full course		

PHYSICAL EDUCATION

Term: 1		
Month	Syllabus	Evaluation
April	Changing trends and career in physical education	
May	Summer Break	
June	Olympic Value Education	
PA 1 EXAM		
Unit I and II		
July	Physical fitness, Wellness and lifestyle Physical Education and Sports for differently Abled	PA 1
August	Yoga Physical Activity and Leadership Training	
September	Test, Measurement and Evaluation in Sports Fundamentals of Anatomy, Physiology, Kinesiology in sports	HALF YEARLY
HALF YEARLY EXAM		
Complete Term I syllabus done from March to September		
Term : 2		
October	Psychology and Sports	
November	Training and Doping in Sports	PA 2
PA 2 EXAM		
Unit X and XI		
December	Revison	
January	Revision	Prelims 1 & 2
February	Revision	
ANNUAL EXAM Full course		

MATHEMATICS

Term: 1		
Month	Syllabus	Evaluation
April	**Ch1-** Sets **Ch2-** Relations & Functions	
May	Summer Break	
June	**Ch3-** Trigonometric Functions: **Ch4-** Principle of Mathematical Induction	PA 1
PA 1 EXAM syllabus ch-1 and ch-4		
July	**Ch10-** Straight Lines **Ch6-** Linear Inequalities	
August	**Ch11-** Conic Sections **Ch5-** Complex Numbers and Quadratic Equations	
September	**Ch 7 -** Permutations and Combinations **Ch 8 -** Binomial Theorem	HALF YEARLY
HALF YEARLY EXAM Complete Term I syllabus done from <u>April to September</u>		
Term : 2		
October	**Ch – 9 -** Sequence and Series **Ch12-** Introduction to Three–dimensional Geometry	
November	**Ch15 -** Statistics	PA 2
PA 2 EXAM syllabus ch-9,12,14,and 15		
December	**Ch 13 -** Limits and Derivatives	
January	Revision	Prelims 1 & 2
February	Revision	
ANNUAL EXAM Full course		