SANT NIRANKARI PUBLIC SCHOOL
SYLLABUS (2019-20)
CLASS XI A (SCIENCE STREAM)
ENGLISH

Prescribed Text Books:

Hornbill – N.C.E.R.T   Snapshots- N.C.E.R.T

	SUBJECT : ENGLISH(Core)
April, 2019	**Hornbill-** L-1:The Portrait of a Lady P.1:A Photograph **Snapshots-** L-1:The Summer Of the Beautiful White Horse **Reading-** Unseen Passage/Poem **Writing-** Notice **Grammar-** Determiners-Integrated Grammar Practice
May, 2019	**Hornbill** **L-2: "**We're Not Afraid to Die…if we can all be together" **P.2:**The Laburnum Top **Snapshots-** L-2:The Address **Reading-** Note Making and Summary writing **Writing-** Letter to the Editor, Advertisements(Classified & Commercial) **Grammar- Te**nses- Integrated Grammar Practice
July, 2019	**Hornbill -** L-3:Discovering Tut: The Saga Continues L-4:Landscape of the Soul P.3:The Voice of the Rain **Snapshots-** L-3:Ranga's Marriage **Reading-** Unseen Passage/Poem, Note-making and Summary Writing **Writing-** Article, Speech , Business Letters (Making enquiry, Giving information) **Grammar-** Clauses-Integrated Grammar Practice
	PERIODIC ASSESSMENT I (Syllabus- April , May, July)
August, 2019	**Hornbill-** L-5:The Ailing Planet: the Green Movement's Role **Snapshots-** L-4:Albert Einstein at School L-5:Mother's Day **Reading-** Unseen Passage/Poem, Note Making and Summary writing **Writing-** Business Letters(Placing Orders, cancellation of order, Registering Complaint) **Grammar-** Integrated Grammar Practice
	PERIODIC ASSESSMENT II (Syllabus- April to August)
September, 2019	**Hornbill-** P.4: Childhood **Snapshots-** L-6:The Ghat of the Only World **Reading-** Note Making and Summary writing(REVISION) **Writing-** Poster **Grammar-** Integrated Grammar Practice
October, 2019	**Hornbill-** P.5:Father to Son L-6:The Browning Version **Snapshots-** L-7:Birth **Reading-** Unseen Passage/Poem, Note making and Summary Writing(Revision) **Writing-** Debate, Job Application with bio-data or resume **Grammar -** Modal**s -** Integrated Grammar Practice
November, 2019	**Hornbill-** L-7: The Adventure L-8: Silk Road **Snapshots-** L-8:The Tale of Melon City **Reading-** Note Making and Summary writing(Revision) **Writing-** Report, Letter to School/College Authorities regarding admissions, school issues requirements, suitability of courses etc. **Grammar–** Change of Voic**e**- Integrated Grammar Practice
December, 2019	**PERIODIC ASSESSMENT III** Recapitulation
January , 2020	Recapitulation
February, 2020	**FINAL EXAMINATION , 2019-20 (Syllabus- April,2019 to Nov ,2019 Full syllabus)**

MATHEMATICS

MONTH	CHAPTER	TOPICS
APRIL	1 2	SET RELATION FUNCTION
MAY	3 4 5 6	TRIGONOMETRY PRINCIPAL OF MATHEMATICAL INDUCTION COMPLEX NUMBER AND QUADRATIC EQUATION LINEAR INEQUALITIES
JULY	7 8	PERMUTATION AND COMBINATION BINOMIAL THEOREM **PERIODIC ASSESSMENT- I (CH 1,2,3)**
AUGUST	9 10	SEQUENCE AND SERIES STRAIGHT LINES **PERIODIC ASSESSMENT – II** **(SYLLABUS COVERD TILL AUGUST)**
SEPTEMBER	11	CONIC SECTION
OCTOBER	12 13	INTRODUCTION TO THREE DIMENTIONAL GEOMETRY LIMIT AND DERIVATIVES
NOVEMBER DECEMBER	14 15	MATHEMATICAL REASONING STATISTICS **PERIODIC ASSESSMENT – III**

PHYSICAL EDUCATION

NAME OF THE MONTH	CHAPTER NO.	NAME OF THE CHAPTER
APRIL MAY	1	PLANNING IN SPORTS
	2	SPORTS AND NUTRITION
JULY AUGUST	3	YOGA AND LIFESTYLE
	PERIODIC ASSESSMENT- I	
	4	PHYSICAL EDUCATION AND SPORTS FOR CWSN
		PRACTICAL WORK (FILE)
	PERIODIC ASSESSMENT - II	
SEPTEMBER	5	CHILDREN AND SPORTS
OCTOBER	6	TEST AND MEASUREMENT WITH PRACTICAL RECORD
NOVEMBER	7	RECORD FILE
DECEMBER		PRACTICAL **PERIODIC ASSESSMENT- III**

CHEMISTRY

NAME OF THE MONTH	CHAPTER NO.	NAME OF THE CHAPTER
APRIL	1	SOME BASIC CONCEPT OF CHEMISTRY
MAY	2	STRUCTURE OF ATOM
JULY	3	CLASSIFICATION OF ELEMENTS AND PERIODICITY
JULY	4	CHEMICAL BONDING AND MOLECULAR STRUCTURE
PERIODIC ASSESSMENT- I (CH- 1 & 2)		
AUGUST	5	STATES OF MATTER
	6	CHEMICAL THERMODYNAMICS
	14	ENVIRONMENTAL CHEMISTRY
SEPTEMBER	7	EQUILIBRIUM
	8	REDOX REACTIONS
	10	s-BLOCK ELEMENTS
PERIODIC ASSESSMENT – II (SYLLABUS COVERED TILL AUGUST)		
OCTOBER	11	SOME p-BLOCK ELEMENTS
NOVEMBER	9	HYDROGEN
	12	ORGANIC CHEMISTRY
	13	HYDROCARBONS
PERIODIC ASSESSMENT- III (CH 9,11,12,13)		

PHYSICS

NAME OF THE MONTH	S.N. of the UNITS	NAME OF THE CHAPTER
APRIL-MAY	II	UNITS AND MEASUREMENT
JULY	I	PHYSICAL WORLD
	III	LAWS OF MOTION
PERIODIC ASSESSMENT - I		
AUGUST	IV	WORK ENERGY AND POWER
	V	SYSTEM OF PARTICLES
	VI	GRAVITATION
PERIODIC ASSESSMENT – II		
SEPTEMBER	VII	PROPERTIES OF BULK MATTER
SEPT-OCT	VIII	KINETIC THEORY OF GASES
OCTOBER	IX	THERMODYNAMICS
NOVEMBER	X	OPTICS
NOV-DEC	XI	OSCILLATION AND WAVE
PERIODIC ASSESSMENT- III		

BIOLOGY

Month	Chapter No.	Name of the chapter
April	Chapter 1	The living world
	Chapter 2	Biological classification
	Chapter 3	Plant kingdom
May	Chapter 4	Animal kingdom
	Chapter 5	Morphology of flowering plants
	Chapter 6	Anatomy of flowering plants
July	Chapter 7	Structural organization in animals
	Chapter 8	Cell the unit of life
	Chapter 10	Cell cycle and cell division
	PERIODIC ASSESSMENT – I (CH 1, 2, 3)	
August	Chapter 11	Transport in plants
	Chapter 12	Mineral nutrition
	Chapter 13	Photosynthesis in higher plants
SEPTEMBER	**PERIODIC ASSESSMENT – II (CH 4,5,6,7,8,10,11,12)**	
	Chapter 14	Respiration in plants
	Chapter 15	Plant growth and development
	Chapter 16	Digestion and absorption
October	Chapter 17	Breathing and exchange of gases
	Chapter 18	Body fluids and circulation
November	Chapter 19	Excretory products and their elimination
	Chapter 20	Locomotion and movement
	Chapter 21	Neural control and coordination
December	**PERIODIC ASSESSMENT – III (14 , 15, 16)**	
	Chapter 22	Chemical coordination and integration
January	REVISION	
February	**FINAL EXAMINATION**	

COMPUTER SCIENCE

MONTH	Ch. No	Name of the Chapter
APRIL	CH-8	Computer System Organization
	CH-9	Data Representation and Boolean Logic
MAY	Ch-12	Cyber Safety
	CH-10	Database Concepts
JULY	CH-10	Database Concepts…(contd…)
	CH -11	Structured Query Language (SQL)
AUGUST	**PERIODIC ASSESSMENT - I (CH 8,9,12)**	
	CH- 1	Getting Started with Python
	CH- 2	Python Programming Fundamentals
SEPTEMBER	**PERIODIC ASSESSMENT – II (CH 1,2, 8,9,10,11,12)**	
	CH-3	Conditional and Looping Constructs
OCTOBER	CH-3	Conditional and Looping Constructs (contd..)
	CH-4	Strings in Python
	CH-5	Lists in Python
NOVEMBER	CH-5	Lists in Python (contd..)
	CH-6	Tuples and Dictionary
DECEMBER		**PERIODIC ASSESSMENT – III (CH 3, 4, 5)**
	CH-7	Error and Exception Handling
		Introduction to Python Modules
		Computational Thinking
JANUARY		REVISION
FEBRUARY		**FINAL EXAMINATION**