

Curriculum - MYP 4

*Term end assessment will be held based on the complete term syllabus between 20th Nov to 29th Nov for Term-I and 18th April to 26th April for Term-II.

Language and Literature (English)

Unit 1: Melodrama		Duration: July to mid-September (2 1/2 months)	
<p>Contents: Literature:- William Shakespeare's: 1. 'King Lear' (Charles and Mary Lamb's Shakespearean tales); a selected monologue and soliloquy from the original play Context of the text and the History of English Language. Discuss elements of tragedy, Analyse characters, Critique themes, Justify different aspects of the play 2. 'I have a dream' - speech by Martin King Luther Jr. Literary devices:- Figurative devices: Metaphor, Simile Vocabulary:- Pertaining to the text Language:- Speaking/Reading/Listening: Group discussion, Enacting of the acts with intonation and movement for the film (Use of Shakespeare's language) Writing: Diary/Journal Entry, Informal Letter, Speech, Propaganda, Paraphrase the monologue and soliloquy, Screenplay, Narrative Writing, Write animal poetry Reading/Viewing/Presenting/Listening: Jigsaw strategy- oral presentation with posters and props, Roleplay, Create a short film Grammar:- Determiners(Nouns), Pronouns (Relative & Reflexive), Adjectives (Degrees of comparison & Modifying comparatives), Idioms & Proverbs , SVA (Word Order). Punctuation:- Revise with a worksheet</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment (Classroom: Written Assignment)	Date of submission
C and D	Unit - 1	27.08.2018	31.08.2018
Unit 2: Brief outpourings of the heart		Duration: mid-September to mid- November	

(2 months)

Contents:

Literature:-

Antoine de Saint Exupéry 's :

1. *The Little Prince* (Novella/Fable)
2. *Generation to Generation* (Poem)

Analyse the characters and connect it to your philosophy of life, *Discuss* the central idea in the poem, *Summarise* the themes, motifs and symbols in the novella, *Compare and contrast* the two texts

Literary devices:-

Figurative devices:

Personification, Onomatopoeia

Vocabulary:-

Pertaining to the text

Language:-

Speaking/Reading/Viewing/Presenting/Listening:

Create your POV of a quote (sculpture, dance, song, or picture) in a pair with reference to the texts; Guest Lecture on Second World War

Listening/Speaking/Reading/Writing:

Discuss 'What I believe about life' with reference to the texts.

Grammar:-

Conditionals, Simple-Compound-Complex sentences, Clauses; SVA (Word Order)

Punctuation:-

Revise with a worksheet

Summative assessments:

Criteria / task	Course content	Date of assignment (Home Assignment)	Date of submission
A and B	Unit-2	01.10.2018	11.10.2018

II Term

Unit 3: Soulful words

Duration: mid-November to January
(2 months)

Contents:

Literature:-

1. Epic poem - Beowulf
2. Ballad

Identify Genealogies, *Outline* Beowulf's accession to the throne, *Examine* themes, *Research* medieval foods online/in library, *Comment* about the battle with the dragon from Beowulf's

POV, *Analyse* the protagonist.

Literary devices:-

Figurative devices:

Alliteration and Kenning

Vocabulary:-

Pertaining to the text

Language:-

Speaking/Reading/Listening:

Group discussion using springboard

Reading/Writing/Listening:

Create a poem from the words that appear in the text, Create definitions of words to write an eulogy,

Viewing/Presenting/Listening:

Create an illustrated timeline of events in the poem using Storyboard, Interview on TV or newspaper (Talkshow)

Grammar:-

Adjectival phrases, Verbal phrases, Prepositional phrases, Adverbial phrases; SVA (Word Order)

Punctuation:-

Revise with a worksheet

Summative assessments

Criteria / task	Course content	Date of assignment (Individual Oral Commentary)	Date of submission
B, C and D	Unit-3	21.01.2019	25.01.2019
Unit 4: Reality of life		Duration: February to March (2 months)	

Contents:

Literature:-

1. Autobiography- Chinese Cinderella - Adeline Yen Mah,
2. Cinderella - a folk-tale by Grimm's brothers

Analyse the themes, motifs and symbols in the autobiography and the folk-tale; *Compare and contrast* the autobiography and the folk-tale; *Critique* the protagonists in both.

Literary devices:-

Figurative devices:

Hyperbole, Euphemism

Vocabulary:-

Pertaining to the text

<p>Language:- <i>Speaking/Reading/Listening/Writing:</i> Group discussion <i>Reading/Presenting/Writing/Listening:</i> Podcasts/TED-Talks (Write the script before recording) Grammar:- Conjunctions-subordinating, coordinating and correlative; Interjections; SVA (Word Order) Punctuation:- Revise in worksheet</p>			
Summative assessments:			
Criterion/ task	Course content	Date of assignment (Classroom Assignment)	Date of submission
A	Unit-4	14.03.2019 (Text) & 15.03.2019 (Video)	14.03.2019 (Text) & 15.03.2019 (Video)

Language and Literature (Hindi)

Unit- 1 अंतःसम्बंध		Duration: July-August (8 weeks)	
<p>Contents: Knowledge- नाटक- अंधायुग- धर्मवीर भारती रचनात्मक लेखन-संवाद एवं अपठित गद्यांश साहित्य की अनेक विधाएँ- जैसे- कहानी ,संस्मरण, रिपोर्ताज,डायरी आदि ,व्याकरण- शब्द और वाक्य Concept-नाटक के पात्र,चरित्र चित्रण,देशकाल,भाषा शैली, वेशभूषा Skills-संवाद प्रस्तुति, हाव-भाव के साथ संवादात्मक प्रस्तुति, साधन का प्रयोग, रिश्तों की एहमियत,संवाद लेखन</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion AB, Criterion CD	नाटक- अंधायुग- धर्मवीर भारती रचनात्मक लेखन-संवाद एवं अपठित गद्यांश	10 August 11th Sep	17thAugust 29th Sep
Unit 2: समाज व व्यक्ति Society and Person		Duration: Sept-Oct (8 weeks)	
<p>Contents: Knowledge-तारे जमी पर (चलचित्र) इंडीयन ड्रामा फिल्मConcept-चलचित्र का विषय, पात्र, संवाद, वेशभूषा, देशकाल, गीत, निर्देशन,भाषा, Skills- पात्र का चरित्र चित्रण,,संवाद लेखन, समीक्षा करना, चलचित्र के विषय पर गहन चर्चा, पत्र -लेखन,</p>			

Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A (Class Test) Criterion BCD	तारे जमी पर (चलचित्र) इंडीयन ड्रामा फिल्म	12th Oct 15th Oct	Same day 30thOct
II Term			
Unit 3-प्रकृति		Duration: Nov-Dec (8 weeks)	
<p>Content-Knowledge- कविताएँ-पतझड़,आदमी का स्वप्न, लो आ गया बसंत, झर पड़ता जीवन डाली,फूटा प्रभात भारत भूषण अग्रवाल,ग्रामश्री- कवि-सुमित्रानंदन पंत फसल- नागार्जुन मेघ आए बड़े बनठन के- सर्वेश्वर दयाल सक्सेना , रचनात्मक लेखन- पत्र लेखन (औपचारिक, अनौपचारिक, आवेदन) अपठित पद्यांश प्रस्तुतिकरण-वाद-विवाद,शब्द विचार, रस और अलंकार, कविता में रस की पहचान,Concept-कविता का भावार्थ, भाषा शैली, कविता का रस ,अलंकार,प्राकृतिक सौंदर्य का वर्णन</p> <p>Skills-कविता का भावार्थ, कविता की मौखिक प्रस्तुति हावभाव के साथ,शब्दों की तुकबंदी</p>			
Summative assessments:			
Unit-3 Hindi Criterion A (Class Test)	कविताएँ-पतझड़,आदमी का स्वप्न, लो आ गया बसंत, झर पड़ता जीवन डाली,फूटा प्रभात भारत भूषण अग्रवाल,ग्रामश्री- कवि-सुमित्रानंदन पंत फसल- नागार्जुन मेघ आए बड़े बनठन के- सर्वेश्वर दयाल सक्सेना , रचनात्मक लेखन- पत्र लेखन	9th Jan	Same day
Criterion CD		1st March	12th March

Unit 4-चरित्र		Duration:Jan-Feb (7-8 weeks)	
<p>Content-Knowledge-कहानियाँ सदगति-प्रेमचंद मलबे का मालिक-मोहन राकेश पुरस्कार- प्रसाद व्याकरण- रस, अलंकार, शब्द और वाक्य लेखन,व्याकरण-विराम चिह्न, वाक्य-विन्यास</p> <p>Skills-कहानी के तत्व- पात्र, विषय-वस्तु, संवाद, चरित्र -चित्रण, भाषाशैली, देशकाल,कथोपकथन, उद्देश्य व्याकरण-विराम चिह्न, वाक्य-विन्यास</p>			
		रचनात्मक लेखन- लेख, भाषण व सारांश	

का सारांश, समीक्षा, चरित्र-चित्रण, सीख,			
Summative assessments:			
Criterion BCD	कहानियाँ सदगति-प्रेमचंद मलबे का मालिक-मोहन राकेश पुरस्कार- प्रसाद व्याकरण- रस, अलंकार, शब्द और वाक्य	1st March	12th March

French

Unit 1: Rencontrons-le monde		Duration: July – August 2018 weeks (8 weeks)	
Contents: Developing ability to communicate effectively using the target language, e.g. constructing meaning while talking about yourself, giving personal information, describing people, your family, new technologies and the youth			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion C (orals)	Latest technology and its influence on lives	9 Aug 2018	16 Aug 2018
Criterion D	Latest technology and its influence on lives	11 Sept 2018	12 Sept 2018
Unit 2: Le Mileu urbain et le Mileu rural		Duration: September - October 2018 (8 weeks)	
Contents: Encouraging positive attitudes towards speakers of other languages and a sympathetic approach to other cultures and civilisations e.g. understanding and comparing city-life and village-life, forming opinions about them. Understanding Grammar: pronoun 'y', negative expressions: ne ... pas/plus, etc., past tense with 'etre' & 'avoir'.			
Summative assessments:			

Criteria / task	Course content	Date of assignment	Date of submission
Criterion A	Urban life and rural life	24 Oct 2018	25 Oct 2018
Criterion B	Urban life and rural life	25 Oct 2018	26 Oct 2018
II Term			
Unit 3: Nos projets, nos voyages		Duration: November '18- January 2019 (10 weeks)	
<p>Contents: Developing ability to communicate effectively using the target language to make future plans, travels, family life, household, hospitality.</p> <p>Understanding Grammar: the future and the near future tense, conditional tense, emphatic pronouns</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion C (orals)	Traveling and its message/lessons	9 Jan 2019	17 Jan 2019
Criterion D	Traveling and its message/lessons	5 Feb 2019	6 Feb 2019
Unit 4: La vie hors de chez nous		Duration: January-March 2019 (8 Weeks)	
<p>Contents: Developing ability to communicate effectively using the target language to talk about transactions, appearance and clothing, fashion, daily routine, school schedule, school subjects, daily routine, school schedule, school subjects, shopping, prices, school schedule, school subjects, shopping, prices,</p> <p>Grammar:use of verb devoir, the imperfect tense, ce, celui, quel, lequel</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A	Clothing style and fashion	11 March 2019	12 March 2019

Criterion B	Urban and rural schooling	18 March 2019	19 March 2019
Unit 5: Mangeons bien!		Duration: March - April 2019 (8 weeks)	
Contents: Providing enjoyment and intellectual stimulation in terms of identifying different food items, analysing and synthesising different meals and their importance, evaluating the importance of a healthy food, recognising dangers of the fast-food, junk food, understanding the right way of ordering food, booking a table, understanding of writing a recipe; Understanding Grammar: pronoun 'en', direct & indirect object pronouns, past tense (passé compose) and 'Imparfait'.			
Summative assessments:			
Criterion/ task	Course content	Date of assignment	Date of submission
Criterion D	Food habits: good and bad	27th March '19	28th March '19

Mathematics

Unit 1: Numbers		Duration: July- August	
Contents: Arithmetic, Number facts and sequences, Approximations and estimations, Standard form, Ratio & proportion, percentage, Speed, distance, time			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criteria B, C, D	Arithmetic, Number facts and sequences, Approximations and estimations	8th August, 2018	24th August, 2018
Unit 2: Algebra		Duration: September-October	
Contents: Algebra, Linear equations, Simultaneous equations, Factorization, Quadratic equations			

Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A	<p>From Unit 1: Ratio & proportion, percentage, Speed, distance, time.</p> <p>From Unit 2: Algebra, Linear equations, Simultaneous equations</p>	25th September, 2018	Same day (class test)
Criteria A, B, C and D	Complete first term course	Term end assessment	Same day
II Term			
Unit 3: Mensuration		Duration: November-December	
Contents: Area, Circle, Volume, Surface area			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion B	Area, Circle	7th January, 2019	14th January, 2019
Unit 4: Statistics		Duration: January-February	
Contents: Data display, mean, median & mode, cumulative frequency			
Summative assessments:			
Criterion/ task	Course content	Date of assignment	Date of submission
Criterion A	Mensuration and statistics (mean,	18th January, 2019	Same day (class test)

	median, mode)		
Criteria C and D (IDU with Economics)	Data display, mean, median & mode	30th January, 2019	18th February, 2019
Unit 5: Trigonometry		Duration: March' 19	
Contents: Right angled triangles, bearings, scale drawing, three-dimensional problems, sine, cosine, tangent for any angle, Sine rule, cosine rule			
Summative assessments:			
Task	Course content	Date of assignment	Date of submission
Criterion A	Right angled triangles, bearings, scale drawing, three-dimensional problems, sine, cosine, tangent for any angle, Sine rule, cosine rule	29th March, 2019	Same Day (class test)

Individuals and Societies (Business Studies)

Unit 1: Understanding the Business activity		Duration: July-Aug.	
Contents: The purpose and nature of business activity Classification of Business activity Enterprise, business growth and size Types of business organisation Business objectives and stakeholder objectives			
Summative assessments:			
Criteria A,B,C,D	Research task	1st Aug 2018	7th Aug 2018
Criteria A,C,D	Written test	21st Aug 2018	Same day

Unit 2: People in Business		Duration: Sept-oct	
Contents: Motivating workers Organisation and management Recruitment,selection and training of workers Internal and external communication			
Summative assessments:			
Criteria A,B,C,D	Research task	20th Sept 2018	27th sept 2018
Criteria A,C,D	Written test	31st Oct 2018	Same day

II Term			
Unit 3 : Operations Management		Duration: Nov - Jan	
Contents: Production of goods and services Costs, scale of production and break-even analysis Achieving quality production Location decisions			
Summative assessment:			
Criteria / task	Course content	Date of assignment	Date of submission
A,B,C,D	Research task	7th Dec 2018	14th Dec 2018
Criteria A,C,D	Written test	31st Jan 2019	Same day

Unit 4: Marketing		Duration: Feb-March	
Contents: Marketing, competition and the customer Market research Marketing mix Marketing strategy			

Summative assessments: Written Paper			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A,C,D	Written test	26th March 2019	Same day
Criterion A,B,C,D	Research task	28th Feb 2019	7th march 2019

Individuals and Societies (Economics)

Unit 1: The Basic Economic Problem: Choice and Allocation of resources		Duration: July	
Contents: The Economic Problem, Factors of Production, Opportunity Cost, Production Possibility Curve			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
A, C & D	Unit 1	25th July 2018	Same day
Unit 2: Allocation of Resources & Market Failure		Duration: Aug. - Sept.	
Contents: Allocating resources, Demand, Supply, Equilibrium price, PED, PES, Market system, market Failure			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission

A, B, C,D	Elasticity	4th Sept. 2018	12th Sept. 2018
Crit. A,C,D	Unit 2 written test	19th Sept. 2018	Same day
Unit 3- The Individual as producer, consumer and borrower		Duration: Oct - Nov	
Contents: Functions of money, commercial banks, central banks, stock exchanges, occupations, earning, trade unions, specialisations			
Criteria / task	Course content	Date of assignment	Date of submission
A, C, D	Unit 3	29th Oct 2018	Same day
A,B,C,D	Unit 3	2 November 2018	12th Nov 2018
II Term			
Unit 4 : IDU- Types of organization & Role of Government		Duration: Dec-mar	
Contents: Types of organizations, types of costs, market structures, role of government as producer and employer, Government policy, taxation, redistribution of income			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
A,C & D	Types of costs, types of organization	16th Jan 2019	Same day
A, B, C, D IDU with Mathematics	Unit 4 -5	30th Jan 2019	18th Feb 2019

Science (Physics)

Unit 1: Kinematics	Duration: July – August 2 weeks (6 weeks)
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Contents: Measurements and units:L Numbers and units, system of units, Volume and density

Forces and Motion: Speed, velocity, acceleration, motion graphs, equations of motion, free fall, forces in balance, Force weight and gravity, action and reaction.

Pressure: Forces and turning effects, center of gravity, stretching and compressing, Pressure, Pressure in liquids, Floating and sinking.

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
B,C:Lab work	Force and Motion	20th August	6th September
A:Written test	Force and Motion	10th September	Same Day
Unit 2: Energy		Duration: Duration: August 3rd week to Sept	

Contents: Energy:

Work and energy, Energy transformation, Calculating Kinetic and potential energy, Friction, efficiency, energy resources,

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
D: Research work	Essay on Energy transformation. (Home Task)	17 th September	26 th September

II Term

Unit 3: Waves

Duration: Oct to Jan

Contents:Contents:Sound (waves) and light waves:Transverse and longitudinal waves, wave effects, sound waves, speed of sound waves and echoes, characteristics of sound waves, ultrasound, seismic waves,

Light: Light, reflections in plane mirrors, refraction of light, total internal reflection, lenses, electromagnetic waves,

Summative assessments:

Criteria / task	Course content	Date of	Date of
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		assignment	submission
A:Written test	Sound and Light	29th Jan	Same day
B,C Lab work	Sound and Light	6th Feb	14th Feb
Unit 4:		Duration: Jan to March	
Contents: Atoms and radioactivity: inside atoms, Nuclear radiation, radioactive decay, Nuclear energy, atoms and particles.			
Summative assessments:			
Criterion/ task	Course content	Date of assignment	Date of submission
Criterion D	Atoms and radioactivity	14th Feb	6th March

Science (Chemistry)

Unit 1: Matter in our surrounding	Duration: July to September (10 weeks)
<p>Contents: Nature of matter, states of matter, interchanges of states of matter in terms of the kinetic theory. Motion of particles; Experimental techniques –Measurement; Name appropriate apparatus for the measurement of time, temperature, mass and volume, including burettes, pipettes and measuring cylinders Purity - Demonstrate knowledge and understanding of paper chromatography. Interpret simple chromatograms, including the use of R_f (retardation factor) values Atomic structure and the Periodic Table - basis of the Periodic Table and Periodic properties (with special reference to the elements of proton number 1 to 20), <i>isotopes</i>; electronic configuration (electrons in s, p, d, f subshells) Structure and bonding- Types of bonds, formation of bond, Differences between elements, mixtures and compounds, and between metals and non-metals, alloy; Macromolecules - structures and uses, compare diamond and silicon(IV) oxide; Water - chemical tests for water using cobalt(II) chloride and copper(II) sulfate The implications of an inadequate supply of water, limited to safe water for drinking and water for irrigating crops; the treatment of the water supply in terms of filtration and chlorination; uses of water in industry and in the home Air - composition of clean, dry air; separation of components of air Describe and explain the presence of oxides of nitrogen in car engines and their catalytic removal Effects of air pollutants; Nitrogen and fertilisers; need for nitrogen-, phosphorus and potassium-containing fertilisers, essential conditions for the manufacture of ammonia by the Haber</p>	

process including the sources of the hydrogen and nitrogen, i.e. hydrocarbons or steam and air, displacement of ammonia from its salts; Carbon dioxide and methane – formation and consequences; carbon cycle; Sulfur and its compounds; Carbonates and its applications

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
D	Nitrogen and fertilizers	28 September, 2018	8 Oct, 2018
A	Whole unit	5 October, 2018	Same day
Unit 2: Periodic patterns and properties of elements		Duration: Sept. end to Nov 1st week	

Contents: The Periodic Table - classifying elements and its use to predict properties of elements; Periodic trends; Group properties and identity trends; Transition elements; Noble gases; Properties of metals; Reactivity series; Extraction of metals; Uses of metal

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
B and C	Metals and reactivity series	1 November, 2018	3Nov., 2018
A, B, C and D	Both the units	Term end exam	Same day

Term II

Unit 3: Acids, Bases and Salts	Duration: December to January II week (5 weeks)
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Contents : Acids, alkali and their reactions, neutralization reaction, oxides, acid reactions in everyday life, preparing soluble and insoluble salts, strong and weak acids and alkali. The characteristic properties of acids and bases, pH, pOH, reaction of acids and bases with metals and carbonates; Describe and explain the importance of controlling acidity in soil
Classify oxides as acidic or basic, related to metallic and non-metallic character
Further classify other oxides as neutral or amphoteric' Preparation, separation and purification of salts ; Preparation of insoluble salts by precipitation
Suggest a method of making a given salt from a suitable starting material, given appropriate information; Identification of ions and gases by qualitative analysis

Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criteria B & C	Reaction of acids and bases with metals and carbonates, neutralization reaction, oxides, acid reactions in everyday life, preparing soluble and insoluble salts, strong and weak acids and alkali.	15 Jan, 2018	
Criterion A	Whole unit	2 February, 2018	Same day
Unit 4: Organic chemistry		Duration: Jan 2nd week to March 1st week (7 Weeks)	
<p>Contents: Organic chemistry - Names and structure of organic compounds; Fuels, fractional distillation of petroleum; uses of the fractions, Homologous series; Alkanes; Alkenes; poly(ethene); polymerization of monomer units; Alcohols; Carboxylic acids ; Polymers; Natural and Synthetic polymers; Terylene; hydrolysis of complex carbohydrates (e.g. starch), by acids or enzymes to give simple sugars; fermentation of simple sugars to produce ethanol (and carbon dioxide); the usefulness of chromatography in separating and identifying the products of hydrolysis of carbohydrates and proteins</p>			
Summative assessments:			
Criterion/ task	Course content	Date of assignment	Date of submission
Criterion D	Polymerization and polymers	8 Feb, 2019	16 Feb, 2019
Criteria A, B, C and D Task	Unit 3 and Unit 4	Term end exam	Same day

Science (Biology)

Unit 1: Organisation of life	Duration: July – August 2 weeks (6 weeks)
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Contents: Characteristics and classification of living organisms, Organisation of the organism.			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
A- Unit test	Characteristics and classification of living organisms, Organisation of the organism.	9 Aug	
Unit 2: Chemicals for metabolism		Duration: Aug	
Contents: 3. Movement in and out of cells, 4. Biological molecules, 5. Enzymes, 7. Human nutrition			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
B, C- Agar Experiment	3. Movement in and out of cells, 4. Biological molecules, 5. Enzymes, 7. Human nutrition	21 Aug	30 Aug
B,C- Energy content		14 Sept	20 Sept
D- Application of enzymes		27 Sept	27 Sept
Unit 3: Metabolism		Duration: Sept Oct	
Contents: 6. Plant nutrition, 12. Respiration			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
D- Biofuel essay	6. Plant nutrition, 12. Respiration	31 Oct	31 Oct
II Term			
Unit 4: life processes		Duration: Dec- Feb	

Contents: 8. Transport in plants, 9. Transport in animals, 11. Gas exchange in humans,			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
B, C- Factors affecting pulse rate D- Essay on CHD	Transport in plants and animals	30 Jan 16 Feb	5 Feb
B, C- Factors affecting anaerobic respiration in yeast A- Test	Transport in plants, Transport in animals, Gas exchange in humans	20 Feb 22 Feb	28 Feb
Unit 5: Diseases		Duration: March April	
Contents: 10. Diseases and immunity, 15. Drugs			
Summative assessments:			
Criterion/ task	Course content	Date of assignment	Date of submission
D- Essay on Drugs	Drugs	9 March	Same Day
A-Test	Diseases and immunity, Drugs	17 March	Same Day

ICT -

Unit 1: Components of a computer system	Duration: 9 weeks
Contents: hardware and software the main components of computer systems operating systems Identify types of computer Impact of emerging technologies Identify input devices and their uses Identify and use of direct data entry and associated devices Identify output devices and their uses Storage devices and media identify storage devices, their associated media and their uses	

Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
A,B,C,D	Entire course content of unit 1	26/07/2018	05/09/2018
Unit 2: Network and the effects of using them		Duration: 9 weeks	
<p>Contents:</p> <p>understand how a router works and its purpose</p> <p>understand the use of other common network devices, including: network interface cards, hubs, bridges, switches, modems</p> <p>understand the use of WiFi and Bluetooth in networks</p> <p>understand how to setup and configure a small network, including: access to the internet, the use of a browser, the use of email, access to an Internet Service Provider (ISP)</p> <p>understand the characteristics and purpose of common network environments, such as intranets and the internet</p> <p>understand the advantages and disadvantages of using different types of computer to access the internet</p> <p>security issues regarding data transfer</p> <p>network communication</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
A,B,C,D	Entire course content of unit 2	03/10/18	13/11/18
II Term			
Unit 3: Desktop Publishing Tools		Duration: 8 weeks	
<p>Contents:</p> <p>Document Production</p> <p>use software tools to edit tables</p> <p>format text and organise page layout</p> <p>mail merge a document with a data source</p> <p>Powerpoint Presentation</p> <p>use a master slide to appropriately place objects and set suitable styles to meet the needs of the audience</p> <p>use suitable software tools to create presentation slides to meet the needs of the audience</p>			

use suitable software tools to display the presentation in a variety of formats, including: looped on-screen carousel, controlled presentation, presenter notes, audience notes taking into account the needs of the audience

Data Analysis

create a data model
 test the data model
 manipulate data
 present data

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
A,B,C,D	Entire course content of unit 3	20/12/2018	1/02/2019

Unit 4: Data Manipulation using System Life Cycle **Duration: 8 weeks**

Contents:

Data Manipulation

create a database structure
 manipulate data
 present data

The systems life cycle

Analysis

methods of researching an existing system
 recording and analysing information about the current system
 system specification

Design

describe how it is necessary to design documents, files, forms/inputs, reports/outputs and validation
 produce designs to solve a given problem
 design data capture forms and screen layouts
 design report layouts and screen displays

Development and Testing

testing designs
 testing strategies
 improvements needed as a result of testing

Implementation

different methods of system implementation
 methods of implementation

Documentation

technical documentation for an information system
 user documentation for an information system

Evaluation

describe the need to evaluate a solution in terms of the efficiency of the solution, the ease of use of the solution, and the appropriateness of the solution
 describe the need for a variety of evaluation strategies

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
A,B,C,D	Entire course content of unit 4	27/02/2019	28/03/2019

Arts

Unit:1. Elements of music (Inst. music)		Duration: July- Dec.	
<p>Contents: · Detailed information about Elements of music; Pitch, Melody & Harmony.</p> <ul style="list-style-type: none"> · Read, write, and perform melodic notation in duple, triple, and mixed meters · Transcribe simple aural examples into melodic notation. · Harmonic structure of melodic lines using CHORDS. · Ear training or Listening skills · Detailed information about Elements of music; Rhythm, Meter & Tempo · Read, write, and perform rhythmic notation in duple, triple, and mixed Time signature · Transcribe simple aural examples into rhythmic notation · Compose and arrange simple pieces for voice and instruments, using traditional and nontraditional sound sources, including digital/ electronic media. · Use criteria according to the elements of music to evaluate the quality and effectiveness of musical performances and compositions. · Record initial thoughts and developments, brainstorming, possible lines of inquiry and further questions raised during searching/practice/composing music. · Development throughout the project. <p>Identify and describe how music functions in the media and entertainment industries.</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A & D	Elements of music	15th Oct.	27th Oct.

Criterion B & C	Music performing & Process journal	15th Oct.	27th Oct.
Unit:1. SUGAM SANGEET & CLASSICAL MUSIC		Duration: July to December	
<p>Contents:National Song, School prayer, Introduction of Sugam sangeet, Western Chords, Basic Idea about Classical Music (10 That Based Song), Swarmalika(5 That’s)—Bilawal, Kalyan,Khamaj,Bhairav,Purvi, Introduction of Bandish based on any one of above 5Thats, Taan,Swargam,Bister-Some important things used in Bandish Presentation, Introduction of “Anant”, Brief Idea about “Tarana”, Swargamgeet based on “Raaga Yaman”, Clapping arrangement of Dadra Taal, Kwharwa Taal and Jhap Taal with full scanning and also learn about Double of those Taals, Idea about How to Play Tanpura,-Record initial thoughts and developments, brainstorming, possible lines of inquiry and further questions raised during searching/practise/composing music.Development throughout the project. Identify how Indian musicians compose music, using classical raag & taal.</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A & D	Elements of music	15th Oct.	27th Oct.
Criterion B & C	Music performing & Process journal	15th Oct.	27th Oct.
Unit: (VA) Portraits		Duration:July - December	
<p>Contents: Knowledge</p> <ul style="list-style-type: none"> · Basic proportion of portrait · Research on different style of portraits. · Comparative study of portrait artists. <p>Skill</p> <ul style="list-style-type: none"> · Creation of students own artwork by transforming realistic into innovative forms like mosaic, mural, glass painting etc. · Sketching skills · Composing skills · Painting skills <p>Concept</p> <ul style="list-style-type: none"> · Concept of transition from realistic portraits to their adaption in traditional art · Concept of Basic proportion of portrait 			

Summative assessments:			
Criterion/ task	Course content	Date of assignment	Date of submission
A,B,Cand D(All strands)	<p>Knowledge</p> <ul style="list-style-type: none"> · Basic proportion of portrait · Research on different style of portraits. · Comparative study of portrait artists. <p>Skill</p> <ul style="list-style-type: none"> · Creation of students own artwork by transforming realistic into innovative forms like mosaic, mural, glass painting etc. · Sketching skills · Composing skills · Painting skills <p>Concept</p> <ul style="list-style-type: none"> · Concept of transition from realistic portraits to their adaption in traditional art · Concept of Basic proportion of portrait 	15th October 2018	27th October 2018
II Term			
Unit :2. Music arrangement & Composing (Inst. music)		Duration: Jan to March	
Contents: Detailed information about music arranging and methods of composing			

- Analyze and compare the use of musical elements representing various genres, styles, and cultures, emphasizing tonality and intervals.
- Perform a repertoire of instrumental literature representing various genres, styles, and cultures with expression, technical accuracy, tone quality, and articulation, by oneself and in ensemble.
- Compare music from Indian & Western cultures as to some of the functions music serves and the roles of musicians.
- Improvise melodic and rhythmic embellishments and variations on given melodies
- Compose, improvise, and perform basic rhythmic, and melodic patterns independently in classroom instruments
- Record initial thoughts and developments, brainstorming, possible lines of inquiry and further questions raised during searching/practice/composing music.
- Development throughout the project.
- Identify various careers for musicians in the entertainment industry.

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
Criteria A & D	Composing & Comparison of music elements	20th Mar.	30th Mar.
Criteria B & C	Music performing & Process journal	20th Mar.	30th Mar.
Unit: GHAZAL aAND CLASSICAL MUSIC		Duration: Jan to March	

Contents: Saraswati Bandana

- A brief idea about North Indian Classical Music
- Introduction of **Ghazals**
- The role of **Ghazals** in people's life, Practice and perform some popular **Ghazals**
- A brief idea about **Traditional Ghazals**
- Introduction of **Geetnoma Ghazals**
- **Ear Training**
- **Voice Training and Grooming Session**
- Basic Idea about **Western Chords**
- **Note Pehchan** and **Paltas, Alankar**
- Read, write, and perform **Traditional musical notations**
- Record initial thoughts and developments, brainstorming, possible lines of inquiry and further questions raised during searching/practise/composing music.
- Development throughout the project.
- Describe the role and importance of **Ghazals** in our society. · **Swarmalika(5 Thats)—Marwa, Kafi, Asabari, Todi and Bhairavi**
- **Introduction of Bandish** based on any one of above **5Thats**
- **Taan,Swargam,Bister-Some important things used in Bandish Presentation**

- **Introduction of “RAAGMALA”** (based on **15Raagas**)
 - **Brief Idea about “Tillana”**
 - **CONTENT: Swargangeet based on “Raaga Bhairavi”**
 - Clapping arrangement of **Rupak taal, Ektaal Taal and Tritaal** with full scanning and also learn about **Double of those Taals**
 - Basic Idea about **How to Play Harmonium**
 - Record initial thoughts and developments, brainstorming, possible lines of inquiry and further questions raised during searching/practise/composing music.
 - Development throughout the project.
- Identify how Indian musicians compose music, using classical raag & taal.

Summative assessments:			
Criterion/ task	Course content	Date of assignment	Date of submission
Criteria A & D	Composing & Comparison of music elements	20th Mar.	30th Mar.
Criteria B & C	Music performing & Process journal	20th Mar.	30th Mar.

Unit 3: Dance - Freestyle dance		Duration: July- Dec.	
Contents: Concept of free style dances Basic moves of dances Generate Original Choreography Choreograph a Structured Composition			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A and D (all strands)	<ul style="list-style-type: none"> ● Concept of free style dances ● Development of freestyle dance forms ● Technical terminology used in Dance 	15th October 2018	Same Day
Criterion B and C (all strands)	<ul style="list-style-type: none"> ● Generate Original Choreography 	15th October 2018	27th October 2018

	<ul style="list-style-type: none"> ● Choreograph a Structured Composition 		
Criterion A and D (all strands)	<ul style="list-style-type: none"> ● Origin and development of contemporary dances ● Contributors of contemporary dance styles ● Comparison of two art works 	15th October 2018	Same Day
Criterion B and C (all strands)	<ul style="list-style-type: none"> ● Generate Original Choreography ● Choreograph a Structured Composition 	15th October 2018	27th October 2018

Unit : Theme Based dances		Duration : December to April	
<p>Contents: About dance and Dance Dramas. How do dances Dramas have evolved through ages? Techniques and basic moves of Dance styles. Choreography – specifically using theme/story Technical terminology used in this dance styles. Use of gestures and expressions Nava Rasa Abhinaya and its concepts, Stage presentation</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A and D (all strands)	<ul style="list-style-type: none"> ● Theoretical study of Dance Dramas ● Types and varieties of Dance Dramas ● Background of the term Dance Drama 	20th March 2019	Same day
Criterion B and C (all strands)	<ul style="list-style-type: none"> ● Choreography – specifically using theme/story 	20th March 2019	30th March 2019

	<ul style="list-style-type: none"> • Technical terminology used in this dance styles 		
Criterion A and D (all strands)	<ul style="list-style-type: none"> • Technical terms of Dance dramas • gestures and expressions • Nava Rasa • Abhinaya and its concepts, • Stage presentation 	20th March 2019	Same day
Criterion B and C (all strands)	<ul style="list-style-type: none"> • Choreography – specifically using theme/story 	20th March 2019	30th March 2019
Unit 2: (VA)		Duration:December - April	
<p>CONTENT:</p> <p>Knowledge</p> <ul style="list-style-type: none"> · Study of basic proportions of human figure · .Comparative study of different art move ments) · Perspective study – 0.1,0.2,0.3 <p>Skill</p> <ul style="list-style-type: none"> · Sketches from front ,side and back view. · Random sketches of human figures and their composition. · 0.1,0.2,0.3 perspective · .Application of persective in creative composition <p>Sketching skills</p> <ul style="list-style-type: none"> · Composing skills · Painting skills · Exploration of media-painting/sculpture graffiti, Installation art. etc.(Personal expression <p>Concept</p> <ul style="list-style-type: none"> · Concept of proportions of human figure · Concept of perspective study 			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criteria A,B,C and D	<p>Knowledge</p> <ul style="list-style-type: none"> · Study of basic proportions of human figure · .Comparative study of different art movements) · Perspective study – 0.1,0.2,0.3 		

	<p>Skill</p> <ul style="list-style-type: none"> · Sketches from front ,side and back view. · Random sketches of human figures and their composition. · 0.1,0.2,0.3 perspective · .Application of perspective in creative composition · Sketching skills · Composing skills · Painting skills · Exploration of media-painting/sculpture graffiti, Installation art. etc.(Personal expression <p>Concept</p> <ul style="list-style-type: none"> · Concept of proportions of human figure · Concept of perspective study 	20 March	30 March
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Physical and Health Education

UNIT 1: Diet and Nutrition		Duration: July and August	
<p>Content:</p> <p>The healthy eating habits Nutrition- Food groups, Food pyramid. Composition and uses of–carbohydrates, proteins and fats. Body uses (breaks down) carbohydrates, proteins and fats as fuel Sources.</p> <p>Energy system: Aerobic and Anaerobic.</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission

Criteria: A	Diet and Nutrition	14 August 2018	18 August 2018
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Unit 2: Athletics (Individual game)		Duration: September to November	
<p>Content: History of track and fields, rules of track and fields Introduction: Skill related components of fitness– Speed, Agility, Power, Balance, Coordination and Reaction Time. Health-related component of fitness–cardiovascular fitness, muscular strength, flexibility, muscular endurance, body composition. Develop skills techniques and strategies: Start and Finishing for 60m, 100m, and 200m sprints. Energy systems– aerobic, anaerobic, ATP-PC. Event skills, techniques, strategies and movement concepts– 400 m, 800 m, shot put, high jump.</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criteria: B, C and D	Track and Fields - 100m, 200m, 400m Short put, high jump, long jump, discus throw	17 October 2018	27 October 2018

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Unit 3: Football (team game)	Duration: December to February
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Content:
 Basic terminology of soccer
 Proper technique and form of the following: To go through rigorous training ball possession, through pass, ball control and shooting accuracy.
 Ability to identify the different positions and their roles
 Understanding the rules of soccer and how to apply them in game situations
 Will be taught how to apply skills learned in game play
 Will understand the differences between inside and outside dribbling and passing.
 Students will be able to understand the opponent team formation and tactics to identify their strength and weakness in order to attack and defence effectively also students should know how to deal with situation when they are winning or losing. 3 – 4 -3 formation is been practice to enhance attacking tactic and weak opponent are been blown away by this.
 Students will adapt their knowledge of a full sized field and team to a smaller size based team and field.

Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
Criteria A	Football - dribbling, passing, formation	13 December 2018	21 December 2018
Criteria: C and D		4 February 2018	11 February 2019

Unit 4: Aesthetic karate (self defence)		Duration:December - April	
<p>Content:</p> <p>Knowledge: Important of healthy life style,basic diet and nutrition, health related and skills related fitness.own body strength (Push up,lunges,plank hold,squat,crunches)</p> <p>Skills: Karate - Punches (upper,middle and lower),Kicking - Mai gary,Youko gary,uveshi gery ,Counter attack technique,Self defense technique.</p> <p>Concepts: Knowledge is power ,stay connected to personal defense network for the latest in personal safety and self defense concepts.The ability to effectively act in defense of oneself or others goes beyond a single skill or technique</p>			
Summative assessments:			
Criteria / task	Course Content	Date of assignment	Date of submission
Criteria- B and C	punches defence - blogs or attack - punches and kicks Movement composition of karate skills.	22 March 2019	4th April 2019