

## Curriculum - MYP 3

\*Term end assessment will be held based on the complete term syllabus between 20th Nov, 2018 to 28th Nov, 2018 for Term-I and 18th April, 2019 to 26th April, 2019 for Term-II.

### Language and Literature (English)

<b>Unit 1: Changing World (IDU)</b>		<b>Duration: July - August</b>	
<p><b>Contents:</b>  <b>Literature-</b>  A Tale of Two Cities (Abridged Version), Supporting Text (Movie), Author's biography</p> <p><b>Grammar –</b>  Parts of speech, Adjectives, Verbs (Regular and irregular, transitive and intransitive)  Tenses (Simple, Continuous and Perfect), Punctuations (Revision of Grade 7), Synonyms and Antonyms, Suffix and Prefix, Sentence (Compound &amp; Complex)</p> <p><b>Language-</b>  Analysing the themes, Synthesize the elements of Novel, Analyse and comment upon the theme and setting, Analysing the significance of the title, Drafting a formal Letter, Creating a Graphic Novel (IDU), Report Writing, Designing a Brochure, Write a film review</p>			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
English - B, C and D IDU A,B,C and D	A Tale of Two Cities (Novel and Movie) Creating a Graphic Novel	25.7.2018	27.8.2018
Cri A and D	A Tale of Two Cities (Novel and Movie)	6.8.2018	6.8.2018
<b>Unit 2: Human Desires</b>		<b>Duration: Sep - Oct - Nov</b>	
<p><b>Contents:</b>  <b>Literature</b>  Introduction to story - Kabuliwala by Rabindranath Tagore, The Postmaster by Rabindranath</p>			

Tagore, The Bet by Anton Chekhov,, The Necklace - Guy de Maupassant

**Grammar**

Pronouns (Possessive, Indefinite, Reflexive, Interrogative & Demonstrative), Subject- verb Concord, Adverbs, Articles, Reported Speech, Question Tags

**Language**

Justify the title of the story and give an alternate title, Comment upon writer's style of writing  
 Identify the recurring theme in author's writing, Analyse the story (Theme, setting, plot )  
 Create own stories, Write an article.(Magazine), Writing a Blog.

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
A,B, C and D	All stories read in Unit 2 Justify the title of the story and give an alternate title Comment upon writer's style of writing Identify the recurring theme in author's writing Analyse the story (Theme, setting, plot ) Create own stories. Write an article.(Magazine)	23.10.2018	23.10.2018

**II Term**

**Unit 3: Poet's Canvas**

**Duration: Dec - Jan - Feb (mid)**

**Contents:**

**Literature :**

Introduction to Poetry and its forms, Introduction to Romanticism and its features  
 The Solitary Reaper - WILLIAM WORDSWORTH, To a Butterfly - WILLIAM WORDSWORTH  
 Ode to Autumn - JOHN KEATS, Ozymandias - P. B SHELLEY, To Nature - ST COLERIDGE,  
 The Tyger - William Blake

**Grammar**

Prepositions, Active and passive voice, Idioms and proverbs.

**Language**

Summarization, Paraphrasing, Persuasive Writing, Poem Analysis, Composing own poems using Literary devices, Creative Presentation of read poems, Diary Entry

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
C and D	Creative Presentation of self composed poem .	4.1.2019	8.1.2019
A, and D	Critical Appreciation of the poems read in Unit 3	19.1.2019	19.1.2019

**Unit 4: Society and Relationships**

**Duration: Mid Feb - March - April**

**Contents:**

Literature -

Play- Merchant of Venice - William Shakespeare abridged Version - Charles and Mary Lamb  
Introduction to drama and dramatist, Outline the character qualities.

**Grammar :**

Conjunctions, One word substitution, Homophones and Homonyms, Phrases and Clauses

**Language -**

Analyse the character qualities ,Analyse the themes of the play, Comment and change the ending of the play, Compare and Contrast characters, Reference to context (Criteria A & C), Socratic Seminar,Argumentative Essay, Informal Letter.

**Summative assessments:**

Criterion/ task	Course content	Date of assignment	Date of submission
B, C and D	Argumentative Essay - Merchant of Venice	11.3.2019	11.3.2019

A, B, C and D (E-assessment)	Complete Syllabus of Unit 4	27.3..2019	27.3.2019
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### Language and Literature (Hindi)

<b>Unit 1: प्रकृति</b>		<b>Duration: July-August (8 Weeks)</b>	
<p><b>Contents: Knowledge-</b>आ धरती कितना देती है गंगा की कहानी व्याकरण- समास,विलोम शब्द.पर्यायवाची शब्द (पत्र-लेखन-औपचारिक.अनौपचारिक) साहित्य की अनेक विधाएँ- जैसे- कहानी ,संस्मरण, रिपोर्ताज,डायरी आदिConcept-गंगा नदी के महत्व को समझाना, प्रकृति का मनुष्य जीवन में क्या महत्व समझानाSkills-भारत देश के अलग-अलग राज्यों की वेषभूषा,खान पान ,रहन-सहन एवं विशेषताओं को मानचित्र के द्वारा प्रस्तुत करना,भारत में गंगा का उदगम एवं उसका विकास,पौराणिक महत्व मानचित्र के द्वारा समझाना। पत्र-लेखन औपचारिक एवं अनौपचारिक,कहानी एवं संस्मरण लेखन ,कविता की मौखिक प्रस्तुति,ऐतिहासिक स्थलों पर मौखिक चर्चाएवं वीडियो दिखाना।</p>			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
Criterion AB	आ धरती कितना देती है गंगा की कहानी व्याकरण- समास,विलोम शब्द.पर्यायवाची शब्द (पत्र-लेखन-औपचारिक.अनौपचारिक)	18.08.2018	05.09.2018
<b>Unit 2: ईमानदारी</b>		<b>Duration: Sep-Oct (12 Weeks)</b>	
<p><b>Contents: Knowledge-</b>साहित्य-टालस्टाय की कहानी, आत्मविश्वास और प्रेरणा के आधारस्त्रोत- ए.पी.जे कलाम; रचनात्मक लेखन-पत्र-लेखन-औपचारिक,अनौपचारिक व्याकरण-,विलोम शब्द, पर्यायवाची शब्द , समश्रुति भिन्नार्थ शब्द, उपसर्ग,प्रत्यय, मुहावरे,लोकोक्ति,Concept-एवं विदेशी लेखक टालस्टाय के जीवन और लेखनशैली पर चर्चा करना।कहानी के शीर्षक पर चर्चा, कहानी के पात्र एवं देशकाल पर चर्चा, कहानी के अंत में बदलावमहान व्यक्तियों की जीवनी, रचनात्मक लेख,लेखक का जीवन परिचय,Skills-कलाम के जीवन पर आधारित वीडियो पर चर्चा, रचनात्मक लेख लिखना, मित्र को पत्र लिखना।</p>			

assessments:			
Criteria / task	Course content	Date of assignment	Date of Summative submission
Criterion C & D	साहित्य-टालस्टाय की कहानी, आत्मविश्वास और प्रेरणा के आधारस्त्रोत- ए.पी.जे कलाम रचनात्मक लेखन, पत्र-लेखन -औपचारिक,अनौपचारिक	06.10.2018	16.10.2018
<b>Unit 3 -चरित्र</b>		<b>Duration: Nov-Dec(8 weeks)</b>	
<p>Contents: Knowledge-साहित्य-झाँसी की रानी ( कविता )            प्रियतम,जलियाँवाला बाग में बसंत (कविता )            अनेकार्थी शब्द,पर्यायवाची शब्द , समश्रुति भिन्नार्थ शब्द, उपसर्ग,प्रत्यय, मुहावरे,लोकोक्ति,            व्याकरण-वाक्यांशों के लिए एक शब्द            Concept-झाँसी की रानी के जीवन पर चर्चा,कहानी के शीर्षक पर चर्चा, कहानी के पात्र एवं देशकाल पर चर्चा, कहानी के अंत में बदला जलियाँवाला बाग में बसंत कविता में दर्शाए गये जनरल डायर के क्रूरता का वर्णन,            Skills-कहानी लेखन ,कहानी की तुलना-समानताएँ एवं असमानताएँ,कविता की मौखिक प्रस्तुति, संवादात्मक कविता को हावभाव के साथ प्रस्तुत करना।</p>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion A (Class Test)	-साहित्य-झाँसी की रानी ( कविता ) प्रियतम,जलियाँवाला बाग में बसंत (कविता ) अनेकार्थी शब्द,पर्यायवाची शब्द , समश्रुति भिन्नार्थ शब्द, उपसर्ग,प्रत्यय, मुहावरे,लोकोक्ति,	17.01.2019	Same day
<b>II Term</b>			
<b>Unit 4: अंतःप्रभाव</b>		<b>Duration:Jan-March (10-12 weeks)</b>	

<p><b>Contents: Knowledge-</b>साहित्य- योगा पर लेख, गुरु के प्रति समर्पण( कहानी ) रचनात्मक लेखन-निबंध लेखन रचनात्मक लेखन-संस्मरण व्याकरण-विराम चिह्न i</p> <p><b>Concept-</b>योगा का महत्व एवं उसके प्रणेता पतंजलि का महत्व समझाना। गुरु का महत्व समझाना।,निबंध लेखन के अंग-भूमिका,विषय-विस्तार,उपसंहार, निबंध के प्रकार- विवरणात्मक, वर्णनात्मक,विचारात्मक,भावात्मक</p> <p><b>Skills-</b>निबंध लेखन को विषयानुसार लिखना, शब्द सीमा , भाषाशैली ,प्रभावशाली लेखन,</p>			
<p><b>Summative assessments:</b></p>			
Criteria / task	Course content	Date of assignment	Date of submission
Criterion B, C, D	<p><b>Knowledge-</b>साहित्य- योगा पर लेख, गुरु के प्रति समर्पण( कहानी ) रचनात्मक लेखन-निबंध लेखन रचनात्मक लेखन-संस्मरण व्याकरण-विराम चिह्न i ,प्रभावशाली लेखन,</p>	20.02.2019	15.03.2019

## French

<b>Unit 1: La France</b>	<b>Duration: July, August, September(Mid)</b>
<p><b>Contents:</b></p> <p><b>Knowledge</b></p> <p>Identify the culture and civilization of France. (La culture et civilisation de France)</p> <p>Identify the food in France. (La nourriture de la France.)</p> <p>Analyzing various linguistic elements and structures while studying various French festivals. (Les fêtes françaises)</p> <p>Identifying various monuments in France. (Les monuments de France)</p> <p>Synthesizing various basic and apparent facts about the education system of France. (La vie scolaire en France)</p> <p>Analyzing various linguistic elements and structures while studying various common nouns and vocabulary related to clothing in France. (Les vêtements de la France)</p> <p><b>Skills</b></p> <p>Construct meaning and write a message to your to send, refuse and accept an invitation. (Écrivez un message pour envoyer, accepter et refuser des invitations)</p> <p>Construct meaning and write a paragraph on the topic 'France destination touristique' (Ecrivez sur le sujet la France destination touristique.)</p>	

Construct meaning on the topic 'Amusement park' (Au parc d'attraction)

**Concepts**

Recognizing and understanding negation in perfect tense. (La negation du passe compose)

Evaluating the usage of framing questions in perfect tense.(Poser de question au passe compose)

Construct meaning while using expressions in perfect tense.(Utilisez des expressions au passe compose)

Recognizing and understanding the meaning Future tense. (Le futur simple)

Construct meaning while using expressions of time in perfect, present and future tense. (Utilisez des expressions de temps (passe compose, present et futur simple)

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
A	Questions related to a video clip on French food	September 17, 2018	September 17, 2018
B	Reading comprehension	September 18, 2018	September 18, 2018
C & D	Describe an image and questions related to the image. Oral presentation	September 19, 2018 September 20, 2018 September 25, 2018 September 26, 2018	September 19, 2018 September 20, 2018 September 25, 2018 September 26,2018

**Unit 2: Au travail**

**Duration: September(Mid), October, November**

**Contents:**

**Knowledge**

Analyzing various linguistic elements and structures while revising grammar. (La revision de la grammaire)

Synthesizing various basic and apparent facts to describe 'What you do to help at home?' (Qu'est vous faites pour aider à la maison?)

Comparing past and present. (En comparant passé et présent.)

**Skills**

Construct meaning while using expressions of time. (Les expression de temp)

Construct meaning and present your school life. (Présentez votre vie scolaire)

Interpreting hobbies(Les loisirs)

Discussing strengths and weaknesses (Discutant forces et faiblesses)

Talking about events in the past, the present and the future.(Parler des événements dans le passé , le présent et l'avenir)

**Concepts**

Evaluating the usage of Adverbs. (Les adverbes)

Recognizing and understanding past tense. (Le passe compose)

Recognizing and understanding Comparative and Superlative. (Le comparatif et superlatif)

Understanding the usage of Imperfect tense.(L'imparfait)

Recognizing and understanding negation.(La negation)

Construct meaning while using expressions in future tense. (Les expressions au futur simple)

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
A, B, C & D	Unit 1 & 2 Questions related to a video clip on hobbies. Reading comprehension Describe an image and questions related to the image. Writing skills: Paragraph writing and Letter writing	Term I Exams	Term I Exams

**II Term**

**Unit 3: Des jeunes francophones**

**Duration: December, January, February (Mid)**

**Contents:**

**Knowledge**

Synthesizing various basic and apparent facts about oneself. (Je me presente)

Analysing Nowadays life. (La vie de tous les jours)

**Skills**

Interpreting connections between one another. (On se connecte)

Construct meaning to describe your daily life.(Décrivez votre journée typique)

Construct meaning to write letters. (Ecrivez les lettres)

**Concepts**

Evaluating the usage of Framing questions(Posez des questions)

Evaluating the usage of Pronominal Verbs. (Les verbes pronominaux)



Evaluating the usage of Adverbs. (Les adverbes)  
 Understanding the meaning and the correct usage Imperative mood. (L'imperatif)  
 Understanding the function and usage of perfect and imperfect tense together. (Le passe compose et l'imparfait)

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
A	Questions related to a video clip.	February 11, 2019	February 11, 2019
B	Reading comprehension	February 12, 2019	February 12, 2019
C & D	Describe an image, answer the questions related to it and speak on a given topic. <b>Oral presentation</b>	February 13, 2019 February 14, 2019 February 15, 2019 February 16, 2019	February 13, 2019 February 14, 2019 February 15, 2019 February 16, 2019

**Unit 4: Notre Monde**

**Duration: February(Mid), March, April(Mid)**

**Contents:**

**Knowledge**

Analyzing various linguistic elements and structures while revising grammar. (La revision de la grammaire)

Identify a map of a city. (Un plan de la ville)

Identify various transport.(Les transports en ville)

Analysing the comparison between city and village life. (La ville ou la campagne)

**Skills**

Synthesising conversation in a hotel to reserve a room (Une conversation a l'hotel pour reservation)

Construct meaning and write a letter to your friend and describe your vacations. (Ecrivez une lettre à votre ami(e) et décrivez vos vacances)

**Concepts**

Understanding the functions and usage of Pronouns lui and leur. (Les pronoms lui et leur)

Understanding the functions and usage of qui and que. (Utilisez qui et que)

Understanding the functions and usage of pronouns y and en. (Utilisez les pronoms y et en)

<b>Summative assessments:</b>			
<b>Criterion/ task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
A, B, C & D	Unit 3 & 4 Questions related to a video clip. Reading comprehension Describe an image and questions related to the image. Writing skills: Messages and Letter writing	Term II Exams	Term II Exams

## Mathematics

<b>Unit 1: Numbers</b>		<b>Duration: July-September (10 weeks)</b>	
<b>Contents:</b> Rational/Irrational Numbers, Ratio - Proportion, Variation, Time and work, Percentage, Simple and compound Interest, Exponents, Squares and square roots, Cubes and cube roots.			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
Criterion A	Rational/Irrational Numbers, Ratio - Proportion, Variation, Time and work, Percentage	17th August, 2018	Same day (class-test)
Criteria B, C and D	Rational/Irrational Numbers, Ratio - Proportion, Variation, Time and work, Percentage, Simple and compound	23rd August, 2018	7th September, 2018

	Interest, Exponents		
<b>Unit 2: Algebra</b>		<b>Duration: October-November (6 weeks)</b>	
<b>Contents:</b> Algebraic Expressions, Quadratic expressions, Factorization, Linear equations in one and two variables (simultaneous equations).			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
Criteria A, B, C and D	Complete Unit 1 and 2	Term End Assessment	Same Day
<b>II Term</b>			
<b>Unit 3: Statistics and Probability</b>		<b>Duration: December (4 weeks)</b>	
<b>Contents:</b> Data handling (mean, mode, median, range for ungrouped and grouped data), Graphs (bar-graph, line-graph, pie-charts, histograms), Probability (simple probability).			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
Criterion A	Data handling (mean, mode, median, range for ungrouped and grouped data), Graphs (bar-graph, line-graph, pie-charts, histograms), Probability (simple probability).	14th January, 2019	Same day (class-test)
<b>Unit 4: Geometry and Mensuration</b>		<b>Duration: January-March (11 weeks)</b>	
<b>Contents: Mensuration:</b> Area and perimeter of 2D-shapes (rectangle, square, triangle, parallelogram, circle, rhombus, trapezium, composite shapes), Identification of 3D-shapes (Cuboids, Cubes, Cylinders, Cones, Spheres, Pyramids, Triangular Prism), Volume and surface area of 3D-shapes (Cube, Cuboid, Cylinder, Sphere and Cone)			

**Triangles:** Types and properties, **Quadrilaterals:** Types and properties, **Circle:** Parts of a circle, area and circumference, **Constructions:** triangles, quadrilaterals, perpendicular-bisectors, angle-bisectors, special angles (60 degrees, 90 degrees and 120 degrees using ruler and compass only), **Symmetry:** Lines of symmetry, meaning of reflection, rotation, translation and enlargement.

**Summative assessments:**

Criterion/ task	Course content	Date of assignment	Date of submission
Criteria B, C and D	<b>Mensuration:</b> Area and perimeter of 2D-shapes (rectangle, square, triangle, parallelogram, circle, rhombus, trapezium, composite shapes), Identification of 3D-shapes (Cuboids, Cubes, Cylinders, Cones, Spheres, Pyramids, Triangular Prism), Volume and surface area of 3D-shapes (Cube, Cuboid, Cylinder, Sphere and Cone)	1st February, 2019	19th February, 2019
Criteria A, B, C and D	Complete Unit 3 and 4	Term End Assessment	Same Day

**Individuals and Societies**

Unit 1: The World we live in Part-4	Duration: July - Sept
<p><b>Contents:</b>  <b>History</b>            Describe: The main factors that led to World war-I &amp; II (major causes of World War-I(MANIA))            • Investigate and explain: The Russian Revolution, short term causes and Long term causes.            • Discuss and analyze the reasons why do nations go for war and why is peacekeeping difficult.            •Discuss and analyze: Results of World War 1 (Resolutions and treaties)            •Explain and investigate: Major causes of World war II and related events.            • Interpret the reasons for the end of WW-1 &amp; WW-2.            Discuss the peacekeeping agreements made after the second world war.            • Document: Impacts of World war-II (Minor wars, resolutions &amp; treaties)</p>	

Investigate and analyze the events leading to cold and hot wars. (Brief review)  
 • Evaluate –Why do nations build empires and form supra-national alliances and organization.

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
A,B,C,D	Causes and consequences of World War - I (Sub topics) Major events: Schlieffen Plan, trench warfare, development of science & technology. 2. Consequences of the war : peace treaties of 1919–23 the motives and aims of the Big Three at Versailles? -The impact of the treaties on the defeated countries, strengths and weaknesses of League of nations: work of the League’s agencies. 3. The impact of The Great Depression 4. End of World war 1 and start of World war-2 5. Cause and consequences of the war.-Rise of Hitler and his policy. 6. Hitler’s foreign policy, Life in Nazi Germany-Holocaust 7. Major events during World war-2 8. Formation of UNO.	27.07.2018	04.09.2018

**Unit 2: The world we live in Part-V (Geography)**

**Duration: Sept to Nov’18**

**Contents:**

- Explore: Africa and North and South America (continent- Map work)

- Describe: Mineral and power resources.
- Explore and explain: Agriculture and types of agriculture.
- Investigate and describe: Industries and types of industries (MNCs)

Resources:

- Metallic and Non metallic minerals
- Excavation of minerals.
- India & World distribution of minerals.

Power resources:

- Conventional sources of energy-Firewood, petroleum, Natural Gas, Nuclear Power
- Non-Conventional sources of energy: Hydro-electricity power, solar power, wind energy, geothermal energy, Tidal energy, biofuels.
- Conservation of Minerals and power resources.
- Mineral resources and Human resources

**Agriculture** and types of Farming

- Factors influencing agricultural activities
- Major crops: Food crops, fiber crops, Beverage crops, cash crops.

**Industries:** Importance of industries

- Classification of various industries based on its size and ownership.
- Factors influencing location of manufacturing industries.
- Major manufacturing industries in India.
- Case study on comparative study on industries –India & World

### Summative assessments:

Criteria / task	Course content	Date of assignment	Date of submission
A,B,C, D	All the above mentioned in unit 2	14.09.2018	15.10.2018

**Unit 3:Sustainability and Diversity (Consumption Pattern)**

**Duration: December -February'18**

**Contents:**

**Consumption pattern.**

1. Consumption pattern around the world.
2. Virtual water and ecological footprints.
3. Globalization.
4. Globalization and its process

5. The ethics of consumption and globalization

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
A,B,C,D	All the above	14.12.2018	10.01.2019 & 11.01.2019 (to be done in school)

**Unit 4: Mega Cities** **Duration: February to April'19**

**Contents:**

Explore mega cities India & World

- Discuss –How do we manage explosive growth of cities.
- Describe the reasons of urban explosion.
- Explain the reason of global population change.
- Identify the reason for the growth of mega cities.
- Discuss -Industrial Revolution in terms of development of mega cities
- Discuss -The migration patterns
- Analyze the urban trends and patterns
- State the reason for the cities located in particular places.
- Evaluate the Environmental consequences of the urban explosion
- Analyse the environmental impacts of cities
- Describe -Managing the causes of the urban explosion
- Discuss the keys to controlling population growth
- Explain- Managing the effects of the urban explosion
- Discuss the Understanding of the Constitution.(The legislature,Executive and judiciary system
- Explain the Marginalisation and social justice, public facilities and social justice in India.
- Evaluate the various Economic activities.

Concept:

To understand the changing trends of population change

To identify the reason for the growth of the cities.

To understand the change in the demographic features.

**Summative assessments:**

Criteria/ task	Course content	Date of assignment	Date of submission
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A,B,C,D	All the above mentioned	05.02.2019	05.03.2019 to 08.01.2019 presentation.
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## Science

<b>Unit 1: Matter: structure and transformation</b>		<b>Duration: July - September mid (10 weeks)</b>	
<p>Contents: 1. Explain state of matter, Particle theory, diffusion, investigating diffusion, brownian movement, gas pressure.</p> <p>2. Elements and Compounds- Discuss ancient views of atomic structure, subatomic particles, atomic mass, mass number and atomic number. Analyse arrangement of electrons up to atomic number up to 20, valency,</p> <p>3. Mixtures- Revise compounds and mixtures, Learn more about mixtures, separating mixtures, Chromatography, solutions and solubility, solubility investigation</p> <p>4. Material changes- Investigate Physical and Chemical changes, burning, reactions with acids, Learn rearranging atoms, more about conservation of mass, Detecting chemical reactions, rusting.</p> <p>5. Differentiate physical and chemical properties of metals and non-metals.</p> <p>6. Analyze reaction of metals and non-metals with air, water, acid etc.</p> <p>7. Fuels and Combustion- methane, biogas, paraffin kerosene, LPG ignition temperature-the formation of petroleum and coal-products obtained from these fuels, fire and fire extinguishers-fire safety at home.</p>			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
Criteria B and C	Reaction of metals and non-metals with air, water, acid etc.	28th August, 2018	6th September, 2018
Criterion A	Whole unit	11th September, 2018 (Class test)	Same day



<b>Unit 2: Life processes</b>	<b>Duration: September mid to November 1st week (8 weeks)</b>
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**Content:** 1. Plants-  
Photosynthesis, Leaves, Investigating photosynthesis, roots, transporting water and minerals.  
2. Food and Digestion-  
Nutrients, a balanced diet, digestion and absorption, the human digestive system, Teeth, Enzymes.  
3. Transportation of substances in animals-  
circulatory system in human being, the heart, Blood, Blood vessels  
4. Meiosis cell division, Sexual reproduction.  
Physical changes in human, adolescence & adulthood, reproduction in human beings, Gametes, what happens to egg cell?, From embryo to baby, growth and development, lifestyle and health  
5. Food production- Useful microbes; agriculture(cash and food crops), different types of soil, crop protection, modern hybrid seeds, crop rotation

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
Criterion D	. Food production	26th October, 2018	2nd November, 2018
Criteria A, B, C and D	Unit 1 and 2 (complete course of I term)	Term end exam	Same day

**II Term**

<b>Unit 3: Key to health (IDU - Physical education [PHE] and Science)</b>	<b>Duration: December to January (6 weeks)</b>
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**Contents: Endocrine System-**  
Growth and development of various organisms, chemical coordination in animals, endocrine glands and their functions, role of important hormones like adrenaline, thyroxine, insulin and pituitary hormone; Function of human body systems and how body systems work together. The influence of health habits on body systems, Endocrine system, various hormones and their effects on body or body functions., Various endocrine disorders, their reasons and solutions  
**Yoga part** - Chakras in body, their relationship with glands, Yam, Niyam, Pranayam, Various asanas like Bhujangasana, vajrasana, naukasana, Dhanurasana, surya namaskar, Rabbit pose

etc. and their effect on body, controlling endocrine secretion through Yoga Asanas

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
Sciences criterion D	Endocrine system and medical advancements	19th December, 2018	3rd January, 2019
IDU Criteria A, B, C and D	The influence of health habits on body systems, Endocrine system, various hormones and their effects on body or body functions., Various endocrine disorders, their reasons and solutions	9th January, 2019	18th January, 2019
Science Criterion A	Complete Biology unit contents	20th January, 2018	Same day
<b>Unit 4: Energy-Magnetism and electricity</b>		<b>Duration: Jan to April 1st week</b>	

**Contents:** 1. Measuring motion-

How fast?-measuring speed, speed check, speed calculations, patterns of movement, distance/time graphs

2. Light -

(Revision of concepts like light as a form of energy, propagation of light through various mediums, shadow formation, reflection of light)

refraction, spectrum of white light, coloured light.

3. Magnetism and electricity

law of electrostatic attraction and repulsion, electromagnet, static electricity and electric current, electroscope, lightning and lightning conductor, Faraday's law, Ohm's law - relationship between voltage, current and resistance. heating effect of electricity, chemical effects of electric current.

4. Various forms of energy and their inter-convertibility, renewable and non-renewable resources of energy, use of solar energy, nuclear power, biomass, wind energy, geothermal and tidal energy in various areas. ( this topic will be given as a research work wherein students will compile their information in the form of an essay- 'role of science in aiding in conservation of resources and utilization of alternative resources around the globe'

<b>Summative assessments:</b>			
<b>Criterion/ task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
Criterion B & C	Ohm's law - relationship between voltage, current and resistance. heating effect of electricity, chemical effects of electric current.	12th March, 2019	22nd February, 2019
Criterion A, B, C & D	Whole course of Term II	Term end exam	Same day

## **DESIGN**

<b>Term I</b>			
<b>Unit 1 : Graphic Novel (IDU)</b>		<b>Duration: 9 Weeks</b>	
<p><b>Contents:</b>  <b>Knowledge:</b> Application of Graphic Designing using Comic Life App , Benefits of Graphic Novel.  <b>Concept:</b> Designing a Graphic Novel  <b>Skills:</b> Construct and create a graphic novel by adding characters, dialogues, captions ,gutters, panels etc.; Design rough drafts of the product.; Develop the final design and Present and Evaluate the created novel.</p>			
<b>Summative assessments:</b>			
<b>Criterion/ task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
ABCD	Entire Content of Unit 1	18.07. 2018	Aug 31.08.2018
<b>Unit 2: Desktop Publishing Package</b>		<b>Duration : 8 Weeks</b>	
<p><b>Contents:</b>  <b>Knowledge:</b> MS Word , Excel, Powerpoint and Access  <b>Concept:</b> Document Production , Data Analysis, Presentation  <b>Skills:</b> Creating documents , CRUD (Create, Read, Update,Delete), Data Modelling, Presenting Data</p>			

<b>Summative assessments:</b>			
<b>Criterion/ task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
ABCD	Entire Content of Unit 2	15.09.2018	01.11.2018
<b>Term II</b>			
<b>Unit 3: Advertisement (Public Service Announcement)</b>		<b>Duration : 9 Weeks</b>	
<p><b>Contents:</b>  <b>Knowledge:</b> Introduction to PSA  <b>Concept:</b> PSA to Spread Awareness, Benefits of PSA  <b>Skills:</b> Script Writing, Camera Operations, Video Editing, Present and Evaluate the created video.</p>			
<b>Summative Assessments:</b>			
<b>Criterion / Task</b>	<b>Course Content</b>	<b>Date of Assignment</b>	<b>Date of Submission</b>
ABCD	Entire Content of Unit 3	05.12.2018	04.02.2019
<b>Unit 4 : Basic Programming Concepts , Algorithm &amp; Flowchart</b>		<b>Duration : 8 Weeks</b>	
<p><b>Contents:</b>  <b>Knowledge:</b> Introduction to various programming language, Types of Languages, Introduction to Algorithm and Flowchart  <b>Concept:</b> Basic Coding, Logic of Programming, Flowchart and Algorithm, Need of Programming Language, Knowledge of Syntax  <b>Skill:</b>  Thinking Procedurally, Thinking Ahead, Creating Abstraction to hide complexity, Construct and create a program, Run Program, Testing the code for Logic , Syntax, Evaluate the created program</p>			
<b>Summative Assessments:</b>			
<b>Criterion / Task</b>	<b>Course Content</b>	<b>Date of Assignment</b>	<b>Date of Submission</b>

ABCD	Entire Content of Unit 4	25.02.2019	05.04.2019
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## Physical and Health Education

<b>Unit 1: team game (volleyball)</b>		<b>Duration: July and August</b>	
<p><b>Content: Knowledge:</b> – History of volleyball, Rules of volleyball, Dimension of volleyball court.  <b>Skills:</b> Service : under arm service, over arm service and side arm service.  Receiving – Digging, tossing, over head, lifting the ball.  Spike, bump, set .  <b>Concepts:</b> Team strategy- Formation, understanding of opponent strength and weakness.  Formation of players, knowledge of rotation process while playing game</p>			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
Crit: C and D	Volleyball- rules and regulations, techniques, skills and strategy.	14 August 2018	24 August 2018
<b>Unit 2: Healthy Lifestyle</b>		<b>Duration: September and October</b>	
<p><b>Contents: Knowledge:</b> Describe about Nutrients?  Analysis the Principles of different training method that improve your fitness.  Justify the health related components of fitness that supports the body to keep healthy.  Describe the training method to developed muscle Strength?  What exercises would you like to include in the training to improve your cardiovascular system.  Analysis and justify body composition?  Describe flexibility?  Explain the training method to developed flexibility.  Describe the procedure to measure Target heart rate, Maximum heart rate, Resting heart Rate.  <b>Skills:</b> Circuit training - Push up, running, jumping, squat, lunges, ladder drill, shuttle run, stretching.  <b>Concepts:</b> Explain FITT principle-Frequency, Intensity, Time, and Type</p>			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content:</b>	<b>Date of assignment</b>	<b>Date of submission</b>

Crit: A,	Healthy lifestyle.	17th October, 2018	22th October, 2018
Crit:B, C	Circuit training Planning. Exercises of different stations.	17th October, 2018	25th October, 2018
<b>Unit 3: Fitness testing</b>		<b>Duration: November and December</b>	
<p><b>Contents:</b>  <b>Knowledge:</b> Sports Injuries- types of sports injuries, common sports injuries.  Treatment for simple sports injuries.  Immediate care of injuries.  Describe fitness term- Aerobic and Anaerobic -  Analysis the training Method that increased aerobic performance.  Justify the training method that increased anaerobic performance.  <b>Skills:</b> - Beep test,vertical jump,40 meter sprint,push up,sit and reach,sit up.  <b>Concepts:</b> Encouraging the students to live a healthy lifestyle.  FITT- Frequency, Intensity, Time and types.</p>			
<b>Summative assessments:</b>			
<b>Criteria / task</b>	<b>Course content</b>	<b>Date of assignment</b>	<b>Date of submission</b>
A-knowing and understanding.	Fitness testing	11 December 2018	17th December, 2018
B- Planning for performance C- Applying and performing.	Training method- aerobic and anaerobic	12 December 2018	20th December, 2018
<b>II Term</b>			
<b>Unit 3: Key to health (IDU - Physical education [PHE] and Science)</b>		<b>Duration: December to January (6 weeks)</b>	
<b>Contents: Endocrine System-</b>			

Growth and development of various organisms, chemical coordination in animals, endocrine glands and their functions, role of important hormones like adrenaline, thyroxine, insulin and pituitary hormone; Function of human body systems and how body systems work together. The influence of health habits on body systems, Endocrine system, various hormones and their effects on body or body functions., Various endocrine disorders, their reasons and solutions

**Yoga part** - Chakras in body, their relationship with glands, Yam, Niyam, Pranayam, Various asanas like Bhujangasana, vajrasana, naukasana, Dhanurasana, surya namaskar, Rabbit pose etc. and their effect on body, controlling endocrine secretion through Yoga Asanas

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
IDU Criteria A, B, C and D	The influence of health habits on body systems, Endocrine system, various hormones and their effects on body or body functions., Various endocrine disorders, their reasons and solutions	9th January, 2019	18th January, 2019

**Unit 4: Swimming**

**Duration: Feb and March 2019**

**Contents: -**

**Knowledge:** Basic knowledge of swimming ,swimming rules and regulation,types of strokes.

**Skills:** Breathing ,floating , kicking.

**Strokes** - Free strokes,backstroke butterfly stroke and breaststroke.

Each stroke uses different body position,breathing techniques and arm movements.

Concepts: Students will able to adopt new techniques to enhance performance for swimming competitions

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
Crit: C and D	Swimming	13th March, 2019	19th March, 2019

## Arts

Unit 1:Principles of design (VA)		Duration: 1st July to 15th Sep 2018	
<p><b>Contents: Contents:</b></p> <p><b>Knowledge</b></p> <ul style="list-style-type: none"> <li>Principles of design.</li> <li>Basics of figurative sketching.</li> <li>Introduction to perspective-0.1,0.2 and 0.3 and implementing in creative composition.</li> <li>Comparative study of two artists.</li> </ul> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>Creative composition.</li> <li>Developing skills of exploration of media-painting/sculpture graffiti etc.(Personal expression)</li> </ul> <p><b>Concept</b></p> <ul style="list-style-type: none"> <li>Concept of design</li> <li>Concept of perspective</li> <li>Concept of basic proportions of human figure</li> </ul>			
Summative assessments:			
Criteria / task	Course content	Date of assignment	Date of submission
A,B,C and D (All Strands)	Principles of design., Basics of figurative sketching. Introduction to perspective-0.1,0.2 and 0.3 and implementing in creative composition. Comparative study of two artists. Creative composition. Developing skills of exploration of media-painting /sculpture graffiti etc.(Personal expression), Concept of design Concept of perspective, Concept of basic proportions of human figure	04.09.2018	14.09.2018
Unit 2: MUSIC		Duration: 17th Sep. to 30th Dec.	
<p><b>Contents:</b> National songs, school prayer and Ganesh Vandana</p>			



- Riyaaz Process-Alankar, Palta, “Sa”-path, “Om”-kar
  - A brief idea about *SUFI* music
  - Practice and perform some popular Sufi songs & beats (Filmy and Non-filmy)
  - Read, write, and perform musical notations
  - Basic idea about *Anant*
  - Swarmalika— Purvi & Marwa
  - Performance of Bandish (drut) based on above Mentioned Thaata
  - Taalmala--- Basic fundamental of Tabla taal
  - Clapping arrangement of Keharwa taal (dugun)
  - Sargam Geet based on “Raga KIRWANI”
  - Performing Tri taal
  - Basic Idea about Chords (Western)
  - 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/practise/composing music.
- Identify the ways to create a great song arrangement.
- 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/practise/composing music.
- Describe the role and importance of Sufi Music in music world.

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
A & D(All Strands)	Sufi music chapter	01.12.2018	10.12.2018.
B & C(All Strands)	Music performing & Process journal	01.12.2018	10.12.2018.

**II Term**

**Unit 1: Dance**

**Duration: 2nd Jan to 30th March 2019**

**Contents: ·**

Concept of Modern Dances and Dance Dramas  
 How technology is enhance the dance performances.  
 Ways of creating dance or choreographing dance with the use of technology.  
 Concept of designing dance and dance dramas based on themes.  
 Generate Original Choreography of dance dramas  
 Choreograph a Structured Composition and perform

**Summative assessments:**

Criteria / task	Course content	Date of assignment	Date of submission
Criterion A & D (all strands)	<ul style="list-style-type: none"> <li>●Concept of Dance drama</li> <li>●Use of technical terminology used in dance dramas</li> <li>●Design of dance dramas</li> <li>●Innovation in dance</li> <li>●Effective use of traditional and modern equipments to enhance the dance</li> <li>●Producing a dance drama show</li> </ul>	20th March, 2019	Same Day
Criterion B and C (all strands)	<p>Choreographing dance dramas based on themes or stories.            Pen down the process of the choreography of Dance Drama            Design a Dance Ballet/            Production using the technology and innovative ideas.            Pen down the process of the choreography of Dance production</p>	20th March, 2019	30th March, 2019