

CAMBRIAN PUBLIC SCHOOL

KANKE ROAD, RANCHI

SESSION (2020-2021)

CLASS-IX

SUBJECT- ENGLISH

LEARNING PLAN OUTCOMES

| Serial Number | Month | Name of the Chapter | Learning Outcomes |
|----------------------|--------------|-------------------------------|--|
| 1. | April | The Fun They Had | Thinking and Analysing skill will be developed |
| 2. | April | The Lost Child | Understanding and analysing skill will be developed. |
| 3. | April | Descriptive paragraph writing | This will develop the writing skill of students. |
| 4. | May | The Adventures of Toto | Thinking skill will be developed. |
| 5. | May | The Road Not Taken | Students will learn to analyse and evaluate a situation. |
| 6. | May | Wind | Critical thinking skills will be developed. |
| 7. | June | Grammar | Thinking skill will be developed. |
| 8. | July | The Sound of Music | Analysing skill of students will be enhanced. |
| 9. | July | The Little Girl | To understand the importance of small things in life. |
| 10. | July | A Truly Beautiful Mind | This will help the students to develop positive attitude towards life. |
| 11. | July | In the Kingdom of Fools | Students will learn to analyse and evaluate a situation. |

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| 12. | July | Rain on the Roof | This will help to develop creative skill among the students. |
| 13. | July | My Childhood | Critical thinking skills will be developed |
| 14. | August | Diary Entry | This will develop the writing skill of students. |
| 15. | August | A Legend of the Northland | Remembering and applying skills will be developed. |
| 16. | August | Reading passages | To develop reading and understanding skill. |
| 17. | August | The Happy Prince | Understanding and evaluating skill will be developed. |
| 18. | September | Short Story writing | This will develop the writing skill of students. |

Cambrian Public School

Kanke Road, Ranchi

Session 2020-21

Class - IX

Subject - Sanskrit

LEARNING PLAN OUTCOMES

| Serial Number | Month | Name of the chapter | Learning outcomes |
|---------------|--------|--|--|
| 1 | अप्रैल | शेमुषी-1 पाठ-2 स्वर्णकाकः अभ्यासवान् भव-1 संधिः, शब्दरूपाणि, धातुरूपाणि | लोभः न करणीयः इत्यर्थे बुद्धिशक्तेः विकासः व्याकरण-ज्ञानेन छात्रेषु विवेकशक्तेः विकासः |
| 2 | मई | शेमुषी-1 पाठ-3 गोदोहनम् अभ्यासवान् भव- 1 कारकोपपदविभक्तिः रचनानुवादः | समयप्रबन्धस्य ज्ञानस्य विकास छात्रेषु शब्दप्रयोगस्य वाक्यनिर्माणस्य लेखनकौशलस्य च क्षमतायाः विकासः भवति |
| 3 | जून | शेमुषी-1 पाठ-3 गोदोहनम् अभ्यासवान् भव -1 | सुविचार्य विधातव्यं कार्यं |

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| | | उपसर्गाः, प्रत्ययाः, सङ्ख्याः | लेखन कौशलस्य विकासः संस्कृत संख्यायाः ज्ञानवृद्धिः |
| 4 | जुलाई | शेमुषी-1 पाठ-5 सूक्तिमौक्तिकम् पत्र लेखनम् (औपचारिकम् अथवा अनौपचारिकम्) पठित अवबोधनम् - गद्यांशः, पद्यांशः, नाट्यांशः प्रश्ननिर्माणम् , अन्वयः , भावार्थ लेखनम् | स्वकर्तव्यं प्रति जागरूका भवन्ति तथा च समयस्य महत्वम् जानन्ति अभ्यास कार्येण बुद्धेः लेखन कौशलस्य च विकासः पठित अवबोधनस्य पठनात् अनन्तरं संस्कृत भाषया उत्तरं दातुम् समर्थाः भवन्ति |
| 5 | अगस्त | शेमुषी-1 पाठ-5 सूक्तिमौक्तिकम् अभ्यासवान् भव - 1 चित्र वर्णनम् अथवा संवादानुच्छेद लेखनम् | 'चरित्रनिर्माणं भवति' शब्दानां सम्यक् ज्ञानम् ,लेखन बुद्धि क्षमतायाः विकासः |
| 6 | सितम्बर | शेमुषी-1 पाठ-6 भ्रान्तो बालः | अध्ययन काले समयस्य महत्वम् , बुद्धेविकासः क्षमतायाः विकासः |

Cambrian Public School

Kanke Road, Ranchi

Session 2020-21

Class - IX

Subject - Hindi

Learning Plan Outcomes

| Serial Number | Month | Name of the chapter | Learning Outcomes |
|---------------|--------|---|---|
| 1 | अप्रैल | क्षितिज भाग-1 गद्य भाग - दो बैलों की कथा पद्य भाग - साखियाँ एवं सबद व्याकरण - शब्द निर्माण | प्रेमभावना की जागृति, पशुओं के प्रति प्रेमभावना और दया भावना उत्पन्न होना काव्य के प्रति लगाव उत्पन्न होना शब्द निर्माण करने की तथा शब्दों के प्रकारों को पहचानने की कला का विकास, भाषा कौशल का विकास |
| 2 | मई | क्षितिज भाग-1 गद्य भाग - ल्हासा की ओर पद्य भाग - वाख | हिन्दी गद्य साहित्य की विधा यात्रावृत्तांत से परिचित होंगे तथा लेखन कौशल का विकास होगा ईश्वर व आध्यात्म के प्रति लगाव उत्पन्न करना |

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| 3 | जून | क्षितिज भाग-1 गद्य भाग - प्रेमचंद के फटे जूते पद्य भाग - सवैये | बाह्यडम्बरों का त्याग कर जीवन की वास्तविकता से अवगत कराना तथा सादा जीवन उच्च विचार की भावना जागृत करना सवैया छंद से परिचित होंगे, सवैया छंद का प्रयोग करते हुए कविता लिखने में सक्षम होंगे |
| 4 | जुलाई | कृतिका भाग-1 माटी वाली व्याकरण - समास | गरीबों और दुखियों के प्रति सहानुभूति की भावना जागृत करना भाषा कौशल तथा लेखन क्षमता का विकास |
| 5 | अगस्त | क्षितिज भाग-1 पद्य भाग - कैदी और कोकिला संवाद लेखन पत्र लेखन | कविता का सस्वर वाचन और भावग्रहण की क्षमता का विकास तथा बच्चों के अंदर देश प्रेम की भावना का विकास भावाभिव्यक्ति लेखन क्षमता का विकास पत्र लेखन की विधा से परिचित होंगे तथा पत्र लिखने में सक्षम होंगे |
| 6 | सितंबर | क्षितिज भाग-1 पद्य भाग - बच्चे काम पर जा रहे हैं | |

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| | | | बालश्रम की समस्या से परिचित होंगे तथा बड़े होकर उसे दूर करने में सक्षम होंगे |
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CAMBRIAN PUBLIC SCHOOL

KANKE ROAD, RANCHI

SESSION (2020-2021)

CLASS – IX

SUBJECT - MATHEMATICS

LEARNING PLAN OUTCOMES

| Serial Number | Month | Name of the Chapter | Learning Outcomes |
|---------------|-----------|--|--|
| 1. | April | Number Systems | Students will understand the structure of the number system, the relationship between the numbers, representation of real numbers on number line. They will be able to rationalise the classification of real numbers, and also will be able to prove their properties in order to use them in different situations. |
| 2. | May | Polynomials | Students will learn to Identify polynomials among algebraic expressions in order to apply appropriate algebraic identities to factorise them. |
| 3. | June | Coordinate Geometry Linear Equations in Two Variables | Students will understand the cartesian system and plotting of points in the plane if coordinates are given. Students will be able to set up equations based off of real life situations to solve a system of linear equation. Also they will learn to relate the algebraic and graphical representations of a linear equation in one/two variables in order to apply the concepts in daily life situations. |
| 4. | July | Lines and Angles | Students will learn to recognise angles in terms of rotation, classify and describe angles. By using axioms they will easily prove the theorems particularly related to geometrical concepts, like parallel lines, triangles, quadrilaterals etc. |
| 5. | August | Triangles | They will learn to identify whether the figures are congruent or not. They will come to know about the properties of triangles and can solve application problems involving congruent triangles. |
| 6. | September | Quadrilaterals | Students will be able to describe and classify the properties of quadrilaterals. They will learn to use the knowledge that the sum of angles of any triangle is 180 and the sum of angles of any quadrilateral is 360 to solve problems. |

CAMBRIAN PUBLIC SCHOOL , KANKE ROAD RANCHI

Subject : PHYSICS

Class: IX (2020-2021)

Learning Plan Outcomes

| SL no | Month | Name of the chapter | Learning outcomes |
|-------|-------|---------------------|---|
| 1. | April | Motion | <ul style="list-style-type: none">• Conceptualize the meaning of terms rest and motion by considering a reference point.• Differentiate scalar & vector quantities.• Distinguish distance from displacement with the help of examples.• Distinguish between uniform & non-uniform motion.• Develop definitions for speed and velocity and differentiate between them.• Solve numerical problems based on speed, time and distance. |
| 2. | May | Motion | <ul style="list-style-type: none">• Develop meaning of acceleration.• Distinguish uniform and nonuniform acceleration• Solve numerical problems• Plot and interpret distance time & velocity time graphs.• Derive the relations $v = u + at$, $s = ut + \frac{1}{2} at^2$ & $v^2 = u^2 + 2as$• Solve numerical problems using above equations• Comprehend uniform circular motion• Analyse it as accelerated motion because direction is constantly changing. |
| 3. | June | Force | <ul style="list-style-type: none">• Develop meaning of force• Classify force as balanced and unbalanced forces using examples.• Develop meaning of term inertia and its relation with mass. |

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| | | | <ul style="list-style-type: none"> • Explain the meaning of inertia of rest and inertia of motion. • Apply the concept to daily life situation. • Experimentally develop statement of first law of motion • Develop the meaning of momentum and apply to daily life situation. |
| 4. | July | Force | <ul style="list-style-type: none"> • State the second law of motion in terms of rate of change of momentum. • Derive mathematically second law of motion, $F = ma$ • Develop the definition for unit of force • Relate the law with inertia • Solve numerical problems • Comprehend action and reaction forces • Experimentally deduce the statement of third law of motion • Explain daily life phenomena, using third law of motion • Develop statement of law of conservation of momentum • Derive the law mathematically and explain daily life situations based on the same • Solve numerical problems |
| 5. | August | Gravitation | <ul style="list-style-type: none"> • Conceptualize the meaning of force of gravitation as the force of attraction between bodies. • State the law of gravitation • Mathematically represent the law gravitation • Develop definition of gravitational constant • Correlate the importance of this law in connection with the Earth revolving around sun • Solve numerical problems • Describe free fall • Comprehend the meaning of force of gravity |
| 5. | September | Gravitation | <ul style="list-style-type: none"> • Deduce meaning of acceleration due to gravity 'g' • Derive an expression for 'g'. |

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| | | | <ul style="list-style-type: none">• Deduce the variation in the value of g due to variation in R• Rewrite equations of motion for free fall using 'g' instead of 'a'• Distinguish weight from mass• Establish the relation $W = mg$• Compare the weight of object on moon with that on earth• Solve numerical problems |
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CAMBRIAN PUBLIC SCHOOL

KANKE ROAD, RANCHI

SESSION (2020-2021)

Class- IX

Subject- Chemistry

Learning Plan Outcomes

| Serial Number | Month | Name of the Chapter | Learning Outcomes |
|---------------|-------------|----------------------------|--|
| 1. | April | Matter in our Surroundings | Apply the knowledge of heat in present scenario of covid-19 using thermometer. |
| 2. | April | Matter in our Surroundings | Getting an understanding of Characteristics of Particles of Matter. |
| 3. | May | Matter in our Surroundings | Importance of matter in our day to day life considering phenomenon like evaporation. |
| 4. | May | Matter in our Surroundings | Application of latent heat of vaporization and latent heat of fusion. |
| 5. | June | Matter in our Surroundings | Knowledge of Plasma and Bose Einstein Condensate (BEC) |
| 6. | July | Is Matter around us pure | Analyzing the types of elements present. |
| 7. | July-August | Is Matter around us pure | Student will learn about difference in mixtures and compounds, physical and chemical changes. |
| 8. | August | Is Matter around us pure | It will help students to develop their environmental knowledge. |
| 9. | September | Is Matter around us pure | They will understand concepts like Filtration, Centrifugation, Crystallisation, Chromatography and Distillation. |

Cambrian Public School

Kanke Road, Ranchi

Class : IX

Subject : Biology

Learning Plan Outcomes

| Serial Number | Month | Name of Chapter | Learning Outcomes |
|---------------|-----------|-------------------------------|--|
| 1. | April | The Fundamental Unit of life | Students will be able to explain cell as a basic unit of life, prokaryotic and eukaryotic cells. Awareness about different types of cell membranes and their functions. |
| 2. | May | The Fundamental Unit of Life | Students will be able to explain the structure, duty and functioning of cell organelles like mitochondria, chloroplast, endoplasmic reticulum, Golgi apparatus, lysosomes. |
| 3. | June | The Fundamental Unit of Life | Students will be able to explain the structure, duty and functioning of cell organelles like centriole and centrosome, cilia and flagella, nucleus and chromosomes. |
| 4. | July | Tissues | Students will be able to explain the organs, organ system, Structure and functions of different animal tissues. |
| 5. | August | Tissues | Students will be able to explain the Structure and functions of different plant tissues. |
| 6. | September | Improvement in food resources | Students will be able to explain plant and animal breeding and selection for quality improvement and management; use of fertilizers, manures: protection from pests and diseases: organic farming. |

Cambrian Public School

Kanke Road, Ranchi

Session 2020 – 2021

Learning Plan Outcomes

| Class IX History | | | |
|------------------|-----------|--------------------------------|---|
| Serial Number | Month | Name of the chapter/Topic | Learning outcomes |
| 1 | April | Chapter1: French revolution | >Get familiarized with the various personalities involved in the course of French revolution. >Use primary sources and evidence >Interpret the sources and draw conclusions. >Get acquainted with revolutionary ideas and new philosophies |
| 2 | May | | |
| 3 | June/July | Chapter1: French Revolution | >Understanding the long-lasting impact of the French revolution. >Critically analysed geographical, social and political issues. |

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| 4 | August | Chapter2: Socialism in Europe and the Russian revolution | <p>>To explore the history of socialism through the study of Russian revolution.</p> <p>> Familiarise student with the names of the people involved, the different types of ideas that inspired the revolution.</p> <p>>Showed how written oral and visual material can be used to recover history of revolution.</p> |
| 5 | September | Chapter2: Socialism in Europe and the Russian revolution | <p>>students were familiarised extract of speeches political declaration, as well as political caricature.</p> <p>>Student learned how to interpret this kind of historical evidence.</p> |

Cambrian Public School

Kanke Road, Ranchi

Session 2020 – 2021

Learning Plan Outcomes

| Class IX Civics | | | |
|-----------------|-----------|--|---|
| Serial Number | Month | Name of the chapter/Topic | Learning outcomes |
| 1 | April | Chapter2: What is Democracy? Why is Democracy? | >Understanding the importance of democracy. >Add the international label >Develop conceptual skills of defining democracy >Understand how different historical process and force promoted democracy. |
| 2 | May | Chapter2: What is Democracy and Why is Democracy | >Understanding the key feature of democracy. >Develop the historical sense of choice and nature of democracy. |
| 3 | June/July | Chapter3: Constitutional design | >Develop and understanding of the effect of racial |

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| | | | <p>discrimination in Africa.</p> <p>>To understand the ideal of Indian constitution.</p> <p>>To appreciate the contribution of constitution makers</p> |
| 4 | August | Chapter3: Constitutional design | <p>>Understand the need of constitution.</p> <p>>Importance of constitution.</p> <p>>Develop an appreciation of citizen increased participation in electoral politics</p> <p>>Recognize the significance of election commission</p> |
| 5 | September | Chapter4: Electoral Politics | <p>>Understand the need of election in a democracy</p> <p>>Critically analyse the election procedure in India.</p> |

CAMBRIAN PUBLIC SCHOOL

Kanke Road, Ranchi

CLASS - IX (2020-21)

Subject - Geography

Learning Plan Outcomes

| Serial Number | Month | Name of the Chapter | Learning Outcomes |
|---------------|-------|--|---|
| 1. | April | Ch-1 India Size and Location | Identify the location of India in the Indian Sub-continent |
| 2. | April | Topic - India and the World - India's Neighbours | Understand the importance of central location of our country at the head of the Indian Ocean. |
| 3. | May | Ch-2 Physical Features of India Topic - Theory of Plate Tectonics | Analyse and understand the formation of the land forms. |
| 4. | June | Topic - Major physical divisions of India- The Himalayan Mountains | Understand the formation of the different ranges of the Himalayas and their significance. |
| 5. | July | Topic - The Northern Plains and their types | Understand the formation of the Northern Plains as well as their types. |

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| 6. | July | Topic - The Peninsular Plateau | Identify the divisions of the Peninsular Plateau and their significance. |
| 7. | August | Topic - The Coastal Plains | Understand types and subtypes of the Coastal Plains and their economic importance. |
| 8. | September | Topic - Major Island Groups | Analyse the significance of the Andaman and Nicobar Islands and the Lakshadweep Island. |

Cambrian Public School

Kanke Road Ranchi

Session 2020 – 2021

Learning Plan Outcomes

| Class IX Economics | | | |
|--------------------|-----------|------------------------------------|---|
| Serial Number | Month | Name of the chapter/Topic | Learning outcomes |
| 1 | April | Chapter1: The story of Palampur | >familiarise themselves with the basic concepts like factors of production, yield, surplus >classify the main occupation in village into farm and non-farm activities. |
| 2 | May | Chapter1: The story of Palampur | >Understanding the importance of factors of production >co-relate dairy farming and transport service to non-farm activities. |
| 3. | June/July | Chapter1: The story of Palampur | >To suggest ways to start more non-farming production activities in village. >Promoting the understanding of inter-dependence of |

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| | | | various physiographic division and its influence on the life style of the people. |
| 4. | August | Chapter 2: People as resource | >Familiarisation of a few population related concepts and sensitization of child that people as asset can participate and contribute in nation building. >Understand the sources of human capital and its relationship with the growth of the country. |
| 5. | September | Chapter1: people as resource | >understand the concept of human resource, Human capital formation and human development. |

CAMBRIAN PUBLIC SCHOOL

KANKE ROAD, RANCHI

SESSION - 2020-2021

CLASS-IX

Subject- Computer

LEARNING PLAN OUTCOMES

| Serial Number | Month | Name of the Chapter | Learning Outcomes |
|----------------------|--------------|----------------------------|---|
| 1. | April | Communication Skills | Understanding of Communication cycle, various methods of communication, main perspective of the communication and the various writing skills. |
| 2. | May | Self management Skills | Understanding of the key skills of the self-management, Understanding of building self-confidence, positive thinking and personal hygiene .Understanding of positive and negative thinking. <i>Student prepared the videos of health, hygiene and cleanliness to show their confidence, body language ,pronunciation etc.</i> |
| 3. | June | ICT Skills | Understanding of ICT and its importance, Various websites in |

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| | | | which ICT are used ,Emerging skills of ICT, Basic Computer operation, File Operation, Internet Browsing, Create an email, Receive and replying to emails. |
| 4. | July | Entrepreneurship Skills | Understanding of Entrepreneurship and its role, Qualities of successful Entrepreneur, Product, Service and Hybrid Business, Development process. |
| 5. | August | Green Skills | Understanding of the society and Environment, Knowledge of Sustainable Development ad Green Economy. |
| 6. | August | Application of IT-ITes Industry | Understanding of the application of IT. |
| 7. | September | Data Entry and Keyboarding Skills | Understanding of using data entry tools, Keyboarding skills, Touch Typing requirement and it benefits, Result interpretation etc. |