livingschool

LS Whole School Curriculum Policy

Living School Curriculum Projection

1. **Themes**
2. **Proficiency**
3. **Experiences**

Thematics – five key stones



Practical Learning; Explorative thinking; Socially Connecting

Key Stone themes to explore across the K - Y13 range

1. Nature
    a. Earth
    b. Matter
    c. Space
    d. Environment
    e. Character (links with self)

2. Life and Living
    a. Cells
    b. Organisms
    c. Success
    d. Community
    e. Health
    f. Meditation
    g. Nutrition
    h. Relationships
    i. Purpose
    j. Design
    k. Change
    l. Philosophy
    m. Travel

3. Phenomenon
    a. Introduction
        i. Phenomenon and noumenon (Kant)
    b. Types
        i. Scientific
        ii. Natural
        iii. Mechanical
            - Equilibrium
            - Motion of objects
        iv. Gemology
        v. Social
        vi. Paranormal
    c. Patterns
        i. Mathematics
        ii. Scientific
        iii. Music
        iv. Aesthetics
        v. Order
        vi. Chaos
        vii. Rhythm

viii. Waves
- Sound
- Light
- Micro

d. Forces
   i. Gravity
e. Energy
f. Theorems and principles
   i. Bernoulli's principle
g. Spirituality
   i. Soul
   ii. Interconnectedness
   iii. Macro-micro
   iv. Religion
   v. Aura
   vi. Universal force
h. Sentience
i. Serendipity

4. Civilisation

a. Culture
b. History
c. Art
d. Tool-making
e. Science
f. Society
g. Government
h. Economy
i. Power
j. Population

5. Identity

a. Who?
b. Self
c. Family
d. Friendship
e. Sexuality
f. Expression
g. Perception
h. Thinking
i. Intelligence
j. Power

THEME ONE: Nature

1. Earth

Biosphere (bio = life) – global ecological system integrating all living organisms and their relationships, including their interaction with the elements of the lithosphere (rocks), hydrosphere (water) and atmosphere (air)

- Biomes
    - Forest
        - Rainforest
        - Mangrove
        -
    - Grasslands
    - Deserts
    - Oceans
    - Mountains
    - Tundra
    - Coast
    - Wetlands
    - Coastal
    - Reefs
- habitat
- Organisms
    - Plants
    - Animals
    - Bacteria
    - Fungi
    - Virus
    - Single-celled organisms

Geosphere (geo = ground) - Lithosphere – earth's crust

- Rocks
- Fossils
- Minerals
- Metals
- Dirt
- Gems

- Crystals
- Mountains
- Continents
- landforms

Hydrosphere (hydro = water)

- Springs
- Streams
- Rivers
- Lakes
- Water table
- Estuaries
- Seas
- Oceans
- Polar ice caps
- Glaciers
- Moisture/precipitation
    - Rain
    - Snow
    - Hail

Atmosphere (atmos = vapour)

Constituents

- Nitrogen
- Oxygen
- Carbon dioxide

Layers

- Troposphere
- Stratosphere
- Mesosphere
- Thermosphere
- Exosphere

Nephology (study of clouds)

- History of cloud science
- Types
  - Stratiform
  - Cirriform
  - Stratocumuliform
  - Cumuliform
  - Cumulonumbiform
  - Mist/fog
- Levels
  - Stratus
  - Altostratus
  - Cirrostratus

Seasons

Indigenous calendars

Western – summer, autumn, winter, spring

Tides

Meteorology

Weather

- Low pressure systems

High pressure systems

- Cold fronts
- Warm fronts
- Storms

Preservation

Conservation

Sustainability

Water cycle

Carbon cycle

2. Matter

States

Bose-Einstein condensates (dilute gas of bosons cooled)

Solids

Liquids

Gases

Plasmas

Composition

Metals

Alkalis

Atomic

Table

Electrons

Nuclear

Protons

Neutrons

Elementary Particles

Boson

Photon

Gluon

Higgs (Hadron Collider)

Fermions

Leptons

Three generations

Electronic leptons

Electrons

Electron neutrino

Muonic lepton

Muon

Muon neutrino

Tauonic leptons

Tau

Tau neutrino

Properties

Electric charge

Spin

Mass

Antiparticles

antilepton

Quarks

Hadrons

Protons

Neutrons

String Theory

Fundamental interactions

Gravitation

Electromagnetism

Weak interaction

Valency

Mass

Volume

3. Space

a. Solar System
   i. Lunar
   ii. Planets
   iii. Satellites
   iv. Asteroids
   v. Comets

b. Galaxies

c. Exploration
    i. Rocketry
    ii. Satellites
    iii. Rovers

4. Environment

a. Natural
    i. Ecophylia v Ecophobia
    ii. Plants (flora)
    iii. Animals (fauna)
    iv. Microbes

b. Man-made
c. Virtual
d. Diversity
    i. Ecology
    ii. Ecosystem
        1. Wallace Line
        2. Darwin's Theory of Evolution – survival of the most adaptable
        3. Carolus Linnaeus' *Systema Natura*
    iii. Taxonomic ranks:
        1. Domain
        2. Kingdom
        3. Phylum
        4. Class
        5. Order
        6. Family
        7. Genus
        8. Species
    iv. Preservation/Conservation
e. Natural manipulation
f. Design
    i. Ergonomics
    ii. Construction
    iii. Materials
g. Sustainability
        1. Recycle

5. Character *(links closely with Identity theme – but the focus is on our own 'nature')*
a. Personality
b. Behaviour
c. Attitude
d. VIBES
    - Values
    - Interests
    - Beliefs

- Experiences
- Skills

e. Leadership

THEME TWO - Phenomenon

1. Introduction

a. Phenomenon and noumenon (Kant)

2. Types

b. Scientific
c. Natural
d. Mechanical
i. Equilibrium
ii. Motion of objects
e. Gemology
f. Social
g. Paranormal

3. Patterns

a. Mathematics
b. Scientific
c. Music
- Chords
- Major
- Minor
- Octaves

d. Order
e. Chaos
f. Rhythm
g. Waves
- Sound
- Light
- Micro

4. Forces

a. Gravity
b. Magnetism
c. Motion

5. Energy

a. Electricity
b. Heat
i. Conduction
ii. Convection
iii. Radiation
c. Combustion
i. Fire
ii. Rocket

iii. Explosion

6. **Theorems and principles**
   iii. Bernoulli's principle
   iv. Evolution
   v.
7. **Spirituality**
   a. Soul
   b. Interconnectedness
   c. Macro-micro
   d. Religion
   e. Aura
   f. Universal force
   h. Sentience
   i. Serendipity

THEME THREE - Life and Living

1. **Stages**
   a. Birth
   b. Growth
   c. Ageing
   d. Death
2. **Senses**
   a. Senses
   b. Sense organs
   c. Behaviour
3. **Intelligence - domains**
   a. Social
   b. Emotional
   c. Cognitive
   d. Physical
   e. Expressive
   f. Decisional
   g. Cultural
   h. Theories
      i. Multiple intelligence
      ii. Growth Mindset
      iii. Constructivism
      iv. Behaviour
4. **Community**
5. **Health**
   a. Physical
   b. Mental
   c. Social
   d. Planet

6. **Meditation**
7. **Nutrition**
8. **Relationships**
    b. Service
    c. Leadership
    d. Teamwork
9. **Purpose**
10. **Design**
    a. Aesthetics
    b. Form
    c. Function
    d. Patterns
11. **Change**
    a. Maturity
        i. Puberty
12. **Philosophy**

THEME FOUR - Identity

1. **Who Am I?**
    a. Cells
    b. Genes
        ii. DNA
        iii. RNA
    c. Bacteria
    d. Id
    e. Personality
2. **Self**
    a. Values
        i. Respect
            a. Self
            b. Others
            c. Property
            d. Environment
            e. Virtues
                i. Honesty
                ii. Love
                iii. Empathy
                iv. Kindness
                v. Equity
        ii. Responsibility
            a. Thoughts
            b. Words
            c. Actions
            d. Deeds
            e. Virtues
                vi. Loyalty
                vii. Fairness
                viii. Morality
        iii. Relationships
            a. Positive/Negative
            b. Friendships
            c. Relatives
            d. Marriage
            e. Parenting
            f. Work-place
            g. Team
                a. Collaboration
                b. Cooperation
        iv. Rights
            a. Privacy
            b. Free speech
            c. Worship

v. Discipline
    a. Habits
    b. Exercise
    c. Personal Best
    d. Routines
    e. Chores
    f. Work
vi. Vices
    a. Dante's Seven Deadly Sins (Christian)
    b. Gluttony
    c. Lust/Fornication
    d. Avarice/greed
    e. Pride/hubris
    f. Sorrow/Despair/Despondency
    g. Wrath
    h. Vainglory
    i. Sloth
vii. Jewish/Christian Ten Commandments
viii. Buddhism's 10 Bonds
    a. Absence of shame
    b. Absence of embarrassment
    c. Jealousy
    d. Parsimony (in the sense of stinginess)
    e. Remorse
    f. Drowsiness
    g. Distraction
    h. Torpor
    i. Anger
    j. Concealment of wrongdoing
ix. Islam's 7 Censures
    a. Ire
    b. Envy
    c. Slander
    d. Obscenity
    e. Intoxicants
    f. Instruments of pleasure
x. Selfishness
xi. Narcissism

b. Attitudes
    i. Positive for Success
        g. Engagement/inspiration
        h. Confidence
        i. Openness
        j. Resilience

k. Excellence
l. Passion
m. Patience
n. Positivity
o. Perseverance

ii. Negative blockers

a. Disengagement
b. Anxiety
c. Arrogance
d. Bigotry
e. Closed Mindedness
f. Over-Dependence
g. Mediocrity
h. Apathy
i. Impulsivity
j. Negativity
k. Self-Doubt
l. Giving Up

c. Interests

i. Choice
ii. Engagement
iii. Hobbies
iv. Worship

d. Behaviour

i. Types

a. Introversion
b. Extroversion
c. Alpha types

ii. Instincts
iii. Leisure
iv. Pleasure
v. Needs
vi. Addiction
vii. Compulsion
viii. Bullying/Trolling
ix. Activism
x. Fanaticism
xi. Rebellion
xii. Obsession
xiii. Service

e. Emotions (Shaver et al 2001)

i. Love

a. Affection

- Adoration, affection, love, fondness, liking, attraction, caring, tenderness, compassion, sentimentality

b. Lust
- Arousal, desire, lust, passion, infatuation

c. Longing
- longing

ii. Joy

a. Cheerfulness
- Amusement, bliss, cheerfulness, gaiety, glee, jolliness, joviality, joy, delight, enjoyment, gladness, happiness, jubilation, elation, satisfaction, ecstasy, euphoria

b. Zest
- Enthusiasm, zeal, zest, excitement, thrill, exhilaration

c. Contentment
- Contentment, pleasure

d. Pride
- Pride, triumph

e. Optimism
- Eagerness, hope, optimism

f. Enthrallment
- Enthrallment, rapture

g. Relief
- relief

iii. Surprise

a. Surprise
- Amazement, surprise, astonishment

iv. Anger

a. Irritation
- Aggravation, irritation, agitation, annoyance, grouchiness, grumpiness

b. Exasperation
- Exasperation, frustration

c. Rage
- Anger, rage, outrage, fury, wrath, hostility, ferocity, bitterness, hate, loathing, scorn, spite, vengefulness, dislike, resentment

d. Disgust
- Disgust, revulsion, contempt

e. Envy
- Envy, jealousy, greed

f. Torment
- torment

v. Sadness

a. Suffering
- Agony, suffering, hurt, anguish

b. Sadness
- Depression, despair, hopelessness, gloom, glumness, sadness, unhappiness, grief, sorrow, woe, misery, melancholy

c. Disappointment

- Dismay, disappointment, displeasure

d. Shame
- Guilt, shame, regret, remorse

e. Neglect
- Alienation, isolation, neglect, loneliness, rejection, homesickness, defeat, dejection, insecurity, embarrassment, humiliation, insult

f. Sympathy
- Pity, sympathy

vi. Fear

a. Horror
- Alarm, shock, fear, fright, horror, panic, hysteria, mortification

b. Nervousness
- Anxiety, nervousness, tenseness, uneasiness, apprehension, worry, distress, dread, terror, anticipation

f. Skills

i. Talents

3. Family

a. Ancestory
b. Siblings
c. Parents
d. Grandparents
e. Uncles/Aunts
f. Cousins

4. Friendship

a. Loyalty
b. Risk
c. Peer pressure

5. Strangers

a. Xenophobia
b. Isms

i. Racism
ii. Sexism
iii. Ageism
iv. Fascism

6. Sexuality

a. Gender
b. Sex

7. Expression

a. Creativity
b. Communication
c. Performance

8. Perception

a. Reality

i. Logic
ii. Rationalism
iii. Existentialism
iv. Truth
v. Fact
vi. Theory/Theorem
vii. Justice
viii. Contradiction

b. Paradox
   a. Shrodinger's Cat
   b. http://mentalfloss.com/article/59040/10-mind-boggling-paradoxes

c. Fantasy
   i. Riddles
   ii. Rhymes
   iii. Illusions
   iv. allusions

9. Cognition

a. Brain
   i. Neurons
   ii. Amygdala
   iii. Memory
   iv. Neurotransmitters (http://www.compoundchem.com/2015/07/30/neurotransmitters/)
      1. Adrenaline
      2. Noradrenaline
      3. Dopamine
      4. Serotonine
      5. Endorphins
      6. GABA
      7. Acetacholine
      8. Glutamate
   v. Three Brain theory

b. Mind
c. Thinking (binary)
d. Intelligence
   i. Cognitive
   ii. Emotional
   iii. Social
   iv. Physical
   v. Spiritual
   vi. Social
   vii. Cultural
   viii. Decisional

e. Wisdom
f. Memory
g. Recall

h. Conceptualisation

10. Power

a. Authority
b. Leadership
c. Service
d. Persuasion
    i. Propaganda
    ii. Manipulation
    iii. Lying
    iv. Criticism

11. Health

a. Exercise
b. Disease
c. Nutrition
d. Drugs
e. Addiction

THEME FIVE – Civilisation

a. Culture

i. Indigenous perspectives
ii. Empires

b. History

c. Art

i. Purpose
    1. Rituals
    2. Expression
    3. Teaching
ii. Types
    1. Carving
    2. Painting
    3. Sculpting
    4. Building
    5. Founding
    6. Weaving
    7. Printing
    8. Modelling
    9. Needlework / tapestry
    10. Jewellery making
    11. Film
iii. Dance
iv. Song
v. Music
    1. Rhythm

a. drumming

d. Tool-making

i. Ceremonies
ii. Hunting
iii. Technological improvement
iv. materials

e. Science

i. Methodology
ii. Technology
iii. Maps
1. Topography
2. Longitude
3. Latitude

f. Language

i. dialect

g. Society

i. Family
ii. Tribe
iii. Villages, Towns, Cities
iv. Community
1. Services
v. Nationhood
vi. Religion
1. God
2. Doctrine
3. Ceremony
4. Ideology
5. Spirituality

h. Government

i. Forms
1. Democracy
2. Oligarchy
3. Fascism
4. Tyranny
ii. Hierarchy
iii. Law
1. Legislation
2. Justice
3. Crime
4. Protection
5. Prevention

i. Economy

i. Trade
ii. Commerce
1. Money
2. Financial literacy

a. Budget
b. Savings
c. Bank accounts
d. Investment
e. Risk
f. Assets
g. Taxation
h. Super

3. Loans
4. Interest
    a. compound
5. Debt
6. Profit
7.

iii. Consumers
iv. Careers
v. Entrepreneurism
vi. Capitalism
vii. Materialism

j. Power

i. Control
ii. Military
iii. Warfare
iv. Colonisation

k. Population