

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. Ancestry
- 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**