

Ambazonia Department of Education

Primary to High School Curriculum

Translated from the German system

By

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PRIMARY SCHOOL

CLASS 1

Mathematics

- Quantity measurement
- Counting from 1 to 10
- Calculating from 1 to 5
- Calculating from 1 to 10
- Calculating from 1 to 20
- Greater, lesser Equal
- Number series

English (Deutsch)

- English test in
- first half year
- English test in second half year
- Reading tests
- Dictation
- Spelling
- First reading
- Initial sounds
- Rhymes
- Semantic Fields

Social Studies (Sachkunde)

- Nutrition
- Space and Time
- Sensory organs
- Stork
- Animals

CLASS 2

English

- Part of speech
- Reading comprehension
- Dictation
- Word building
- Sentence learning
- Vocabulary
- Punctuation
- Alphabet
- Spelling

Mathematics

- Addition and subtraction
- Numbers to 100
- Small multiplication table
- Plus and minus
- Sizes
- Geometry

Social studies

- Space and time
- Nutrition
- Water
- Cats
- Animals
- Thermometer
- Trees
- Roofs
- Flowers
- Body parts
- Sensory organs
- Teeth

CLASS 3

Social studies

- Nutrition
- Class companionship
- Trees
- Fire

- Compass
- Media and advertisement
- My federal states
- Electricity
- Animals
- Water
- Weather
- Eyes
- Grains
- Magnetism
- Ears and hearing
- Earth and moon
- History
- Map reading
- Body
- Light
- Air
- Sense organs
- Birds
- Stone age
- Zoo animals

Mathematics

- Numbers to 1000
- Measurement units and sizes
- Addition and subtraction
- Geometry
- Accounting operations
- Calculations with numbers to 100
- Multiplication and division
- Larger multiplication tables
- Fractions addition
- Calculations with reading understanding
- Calculations in multiplication table
- Time
- Volume

Religion

- The church year(calendar)
- Christianity

- World religions
- Creation
- God and bible

English

- Grammar
- Part of speech
- Word family
- Spelling

Foreign language

- French
- German etc.
- Translation

Music

- Instruments
- Notes
- Basics
- National anthem
- Rhythms

Arts

- Colours learning
- Tools or instruments

CLASS 4

Social studies

- Federal states
- Water
- Food and industries
- Fire
- Communities
- Human body
- Waste or garbage
- Road or traffic signs
- Map reading
- Children rights
- Stars and planets
- History
- Grains

- Middle ages
- Stone age
- Plant seeds
- Animals
- Forest
- Weather
- Industrialization
- Tuber crops
- Cow and milk
- Air
- Migration and overseas
- Handwriting and paper
- Web

English

- Word and syntax
- Grammar
- Language contemplation
- Syntax
- Dictation
- Spelling

Foreign Language

Mathematics

- Written calculation
- Counting till 1000000
- Sizes and measurements
- Count till 1000
- Basic calculation types
- field and volume
- calculation rules
- text assignment
- dice building

Religion

- church calendar

- creation
- Christianity

Music

- Instruments
- Basics
- Notes
- National anthem
- Rhythms

CLASS 5

Mathematics

- Whole numbers
- Counting terms
- Sizes and measurements
- Numbering systems
- Geometry
- Assorted themes
- Basic calculation types
- Factor and prime numbers
- Fractions
- Whole numbers
- Equations
- Circumference-volume and surface calculations
- Angle
- Time
- Coordinate system
- Lengths
- Diagram and data
- Weight
- Scale
- Laws of calculation
- Stochastics
- Symmetry and reflection
- Litre and millimeter
- Set theory

English

- Part of speech
- Word order
- Substantive
- Spelling

Foreign Language

Geography

- The earth
- Sea and coasts
- Measurement and maps
- Solar system
- Ambazonia
- Agriculture
- Deserts
- Structural change

Physics

- Temperature and heat
- Magnetism
- Electricity
- Natural phenomena
- Light and optics
- Mechanics
- Overall physics
- Particle models

Biology

- Nutrition and digestion
- Dogs
- Skeleton
- Eyes
- Flowers and flowering plants
- Fish
- Frogs
- Pet animals
- Cats
- Symbols of life

- Human beings
- Microscope
- Domestic animals
- Horses
- Invertebrate animals
- Mammals
- Animal kingdoms
- Birds

CLASS 6

English

- Grammar
- Text production
- Vocabulary
- Text understanding

Physics

- Temperature and heat
- Magnetism
- Electricity
- Light and optics
- Mechanics
- Natural phenomena
- Overall physics

Mathematics

- Factors and prime numbers

CLASS 7

(Or class moved to Form 1 secondary school if Ambazonia department of education wants to maintain the six year system)

Mathematics

- Percentage calculations
- Calculation laws
- Fractions
- Geometry
- Account
- Triangles
- Rational numbers

English

- Grammar
- Description
- Indirect speech
- Dictation

Physics

- Mechanics
- Force and energy
- Optics
- Acoustic

Foreign language

Chemistry

- Mixing and separation
- Research protocol
- Danger symbol
- Bunsen burner and equipment
- Aggregation state of things

History

- Stone age
- Middle ages

Biology

- Human body
- Health hazards through drugs
- Plants
- Invertebrate animals
- Puberty

Geography

- Earth landscape
Deserts, trade winds, vegetation zones, climate diagrams
- Polar regions
Arctic, Antarctic
- Tropical rainforest
Climate, vegetation and uses
- Deserts and oasis
- Climate zones

Nature and technic

- Forest and wood
Tree ages, the stem, wood type, sawing
- Plastic or synthetic material
Advantages, disadvantages, properties and uses of plastic

Social studies or civics

- Humans and environment
Cotton, fibre, table manners, family, media, law and rights
- School
Youths in school, the school as an institution

Computer science

- Computer Hardware and software, EVA-Principle, binary system

Music

- Musical instruments
- Music styles

Religion

- Christianity and celebrations
- Prophets
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SECONDARY SCHOOL

CLASS 1

Mathematics

- Expansion, binomial formula,
- Geometry
- Equations solving, binomial formula
- Equation systems
Linear equations systems, trapezium surfaces, prism volume
- Triangles, binomial formula
- Simple equations, computation
- Percentage calculations
- Factorial

Physics

- Electricity
Electric circuit, magnetism, speed, direct current, alternating current, Ohms law, conduction current, tension or voltage
- Magnetism
Magnetic field, pole, magnetic power, magnetic materials
- Motion
Electrical circuit, wave motion, frequency, tuning fork
- Power
- Heat
- Measurement

Chemie

- State of matter or state of aggregation
Material mixture, isolation methods, simple reactions
- Chemical reactions
Exothermic, endotherm, Sulphur and zinc
- Material mixture
General and organic chemistry

History

- Renaissance
- Absolutism
- Middle ages
- French revolution

Biology

- Human Musculoskeletal system
- Photosynthesis
- Anatomy
- Physiology
- Excitation
- Digestive system
- Nutrition
- Foodstuff

Geography

- World climate and tropics
Climate zones, climate diagrams, tropical rain forest, greenhouse effect
- Shell component of the earth, volcanoes, earth plates, running water, erosion

Nature and technic

- Technical symbols
- Metals
Types and properties of metals, work tools
- Machines
Gearbox and clutch
- Mixtures
Solubility, mixture, water

Social studies

- Law
Youths in a country of laws, social market economy

Computer science

- Basics
Word, excel, works text formatting, basics of logic, electrical connection

Economics

- Needs, fundamental terms

Music

Religion

CLASS 2

Mathematics

- Root calculations
- Interception theorem or theorem of intersecting lines

- Central dilation
- Pythagoras theorem
- Quadratic equations
- Equation systems
- Power calculations
- Geometry and Bodies
- Statistics

Physics

- Power and Energy
Performance, speed, friction, energy costs
- Heat capacity and Melting temperature
Melting and evaporation temperature, mixed temperature, light calculation
- E-lehre
Resistance, current, intensity of current
- Optics
- Pressure and seal
- Radioactivity

History

- French revolution
- Industrial revolution

Chemistry

- Chemical reaction
- Basics, metals, atom building, linking
- Chemical material
Atomic models, metals, metallic tests, periodic system of elements, isotopes and ions
- Molecular units
Molar mass, molar volumes

Foreign languages

Biology

- Metabolism, metabolic transport, energy conversion or basal energy rate
- Nutrition, digestion, cells, mitosis

Geography

- Basic knowledge
Topography, Alps, water balance
- Human development, Ambazonia topography
- Africa, asia, Australia, ozeania

Nature and Technic

- Building technic or structural engineering, timber work or frame work for roofs, bridges etc
- Power, heat or thermal work
- Combustion engine

Social studies

- The Ambazonian state
Politics, democracy, the creation of Ambazonian states
- Humans and environment
Production and consumption of textiles, accessories, healthy eating, world nutrition situation, overweight, anorexia, economy in the budget, buying, technicalities of the budget
- Integration
- Social market economy

Computer science or informatics

Economics

Religion

CLASS 3

Mathematics

- Roots calculations and interception theorems
- Logarithms
- Circles and sector of circle
- Probability and flow diagrams
- Trigonometry
- Quadratic equations
- Growth; logarithm sets
- Field
Circles, pyramids and volumes of fields

Physics

- Electricity devices or training
- Heat
- kinetics

English

Foreign languages

Chemistry

- acid and basis
redox reactions, acid-base reactions, neutralization
- Molecules
Molecular bonding, electronegativity, oxidation
- Alkaline
Structural isomerism, alkane, acids, neutralization, reaction equations,
- Hydrocarbons
Alkanes, alcohol, esters
- Chemical reactions
- Organic technology
Organic chemistry/organic technology – paint laboratory training
- Organic chemistry

History

Biology

- Disease agents and hygiene
Disease, viruses, immune system and HIV
- Genetics
Genetics and inheritance
- Cells
Cells, microscopy, photosynthesis

Geography

- Stream or river course
Erosion, rivers in Ambazonia
- Tectonic plates
- Greenhouse gas, global warming, energy and raw materials
- Photosynthesis

Social studies

- Politics
Democracy and parties, elections, voting, political system
- Social welfare
Health insurance, retirement insurance, unemployment insurance etc.
- Community, media, economy in Ambazonia and employment

Computer science

- Internet
History, usage, search engine etc
- Recursion

Economics

Music

Religion

Psychology

CLASS 4

Mathematics

- Coordination systems
- Deviation rules
- Real function systems
Analytic geometry and series or set of curves/graphs
- Graph discussions

English

Foreign languages

Physics

- Constant and accelerating motions
- Force
- Energy management system
- Pressure and temperature from gases
- Circular motion

Chemistry

- Alcohol and ester
Hydrocarbons to aldehyde and alcohol
- Hydrocarbons without functional groups
Alkanes, alkenes, structural formulas – cis/trans isomers
Radical substitution

History

Biology

- Cells and metabolism
Cells, parts of the cell and their functions, and material transport

Geography

- Earth crust – structure and movement
- Soil – weathering and soil structure

Nature and technic

Computer science

Economics

Religion

Psychology

Law

CLASS 5

Physics

- Materials structure
Properties of quantum objects, wave lengths, quantum mechanics of atomic models, electrons in a potential well, hydrogen atom, overview of several electron systems, atomic structures and parts of elements, nuclear model in quantum physics, properties of radioactive radiation, nuclear reaction and energy cost
- Astrophysics
Typical astronomical objects and their motion, components of the solar system and properties of the planets, sun, stars, galaxy

Mathematics

- Euler's numbers
- Functions
- Geometry

Computer science

- Efficient modelling of larger systems, software technics

Chemistry

- Aromatic hydrocarbons
- Structure and properties of dye
- Structure and properties of synthetic materials
- Fats and surfactant
- Carbohydrates and stereoisomers
- Amino acids and proteins
- Reaction speed and enzyme catalysis

Biology

- Structure and energy basis for life – organization and function of the cell, photosynthesis, energy release
- Genetics and gene technology
- Neuronal information processing
- Evolution
- The human as environmental factor
- Behavioural biology

History

Geography

- Geoecology
- Regional geography
- Physical geography
- Human geography
- Global themes
- Worktechnics and methods

Social studies

Economy and law

Economic informatics

Music

Sports

Arts