

Social Studies: IB Geography SL

Academic Vocabulary

analyze	define	justify
apply	describe	label
assess	discuss	list
assess to what extent	distinguish	outline
compare	evaluate	state
compare/contrast	examine	suggest
construct	explain	
contrast	identify	

Content Vocabulary

Topic: *Spatial Perspective*

- | | |
|---------------------------|--------------------|
| • place | • cartogram |
| • absolute location | • scale |
| • latitude | • written |
| • longitude | • graphic |
| • site | • fractional |
| • situation | • map projection |
| • cognitive impression | • equal area |
| • region | • equidistant |
| • political map | • conformal |
| • physical map | • reliability |
| • topographic map | • validity |
| • contours | • internalization |
| • thematic map | • mental map |
| • isopleth map | • spatial analysis |
| • proportional symbol map | • density |
| • dot map | • concentration |
| • choropleth map | • pattern |
| • located chart map | |

Topic: *Ecological Perspective*

- | | |
|---------------|----------------------------|
| • atmosphere | • culture |
| • biosphere | • monoculture |
| • lithosphere | • economic activities |
| • hydrosphere | • globalization |
| • resource | • human settlement |
| • population | • conflict and cooperation |

Topic: *Atmosphere*

- | | |
|------------------|------------------|
| • nitrogen | • troposphere |
| • oxygen | • water vapor |
| • cyanobacteria | • carbon dioxide |
| • photosynthesis | • methane |

Social Studies: IB Geography SL

- energy budget
- insolation
- ultraviolet, visible light, infrared
- albedo
- construction currents/"thermals"
- re-radiation
- "long-wave" infrared
- greenhouse effect
- stratosphere
- ozone
- chlorofluorocarbons (CFCs)
- global warming/climate change
- non-anthropogenic causes
- water vapor
- earth/sun cycles
- volcanism
- enhanced greenhouse effect
- anthropogenic causes
- carbon dioxide
- fossil fuels
- deforestation
- methane
- chlorofluorocarbons (CFCs) radiative forcing
- UNFCCC
- Kyoto Protocol
- market-based solutions
- "cap-and-trade"
- carbon credits

Topic: *Soil*

- weathering
- physical, chemical, biological
- erosion
- eruption
- precipitation
- transportation
- deposition
- humus
- soil productivity
- nutrient availability
- nutrient retention capability
- rooting conditions
- oxygen availability
- water holding capacity
- pore space
- salts
- toxicity/acidity
- workability
- soil resilience
- USDA land quality classes
- soil degradation
- erosion (gravity/water/wind)
- sheet, rill, gully erosion
- leaching
- mismanagement
- deforestation/"slash-and-burn"
- improper tillage
- overcultivation
- overgrazing
- compaction
- salinization
- contamination
- silting
- carbon sequestration
- contour plowing
- bunding/terrace farming
- no-till farming
- land tenure
- afforestation

Topic: *Water*

- solar nebula hypothesis
- olivine
- evaporation
- transpiration
- sublimation
- condensation
- precipitation
- surface runoff
- streamflow
- tributary
- aquifer
- spring
- water stress
- physical water scarcity
- economic water scarcity
- improved water source

Social Studies: IB Geography SL

- unimproved water source
- improved sanitation facility
- unimproved sanitation facility
- non-anthropogenic
- anthropogenic
- diarrheal diseases
- trachoma
- Millennium Development Goals
- U.N. World Health Organization
- Water Safety Plan
- contamination
- recontamination
- U.S. Centers for Disease Control
- Safe Water System
- household decontamination
- safe container
- safe water handling practices

Topic: *Biodiversity*

- biodiversity
- ecosystem
- habitat
- biome
- traditional creation texts
- scientific explanation
- radiation/genetic mutation
- population/member
- natural selection
- “fitness”
- extinction
- speciation
- ecosystem services
- provisioning
- regulating
- supporting
- cultural
- Living Planet Index (LPI)
- terrestrial, freshwater, marine
- tropical/temperate
- causal factors
- population growth
- development
- consumption
- direct pressures
- habitat loss, alteration, fragmentation
- invasive species
- pollution
- climate change
- over-exploitation of species
- U.N. Convention on Biological diversity
- Aichi Biodiversity Targets
- sustainable development
- resource efficiency

Topic: *Petroleum Consumption*

- hydrocarbons
- trap/reservoir
- porosity/permeability
- “pay dirt”/“pay zone”
- crude
- light vs. heavy/sweet vs. sour
- refinery
- separation
- conversion (“cracking”)
- treatment
- production vs. refinery capacity
- reserves
- peak oil production
- tar sands/oil shale
- Exxon Valdez disaster
- Deepwater Horizon disaster
- dispersants; booms & skimmers
- double-hulled tanker
- Kolva River disaster
- slurry disposal/treatment
- abandoned wells/caps
- global warming & climate change
- CAFE standards/hybrid vehicles
- wealth transfer/potential GDP
- gasoline expense/congestion
- oil-dependent development
- resource curse
- exchange rate
- authoritarianism/repression
- oil dependency/vulnerability
- Yom Kippur War 1973
- OPEC oil cartel/embargo

Social Studies: IB Geography SL

- Strategic Petroleum Reserve
- Iran-Iraq War 1980-1988
- Persian Gulf War 1991
- al Qaeda

Topic: *Environmental Sustainability*

- global hectare
- carbon/energy costs
- cropland/arable land
- forest
- grazing/pasture land
- fishing grounds/oceans
- built-up land/infrastructure
- ecological reserve/deficit
- carbon emissions
- global warming/climate change
- resource depletion
- ESI/EPI
- costs of action/inaction
- nonrenewable energy sources
- coal
- natural gas
- renewable energy resources
- solar/photovoltaic cell
- wind/wind turbine
- tidal/tidal turbine
- nuclear/reactor
- hydroelectric/water turbine
- Three Gorges Dam
- geothermal/steam turbine
- biomass
- waste reduction
- reuse
- recycling
- substitution
- Millennium Development Goals
- U.N. Environment Programme
- Business Council for Sustainable Development

Topic: *Environmental Issues of Cities – Stresses and Policy*

- microclimate
- urban heat island intensity (UHII)
- surface cover
- heat capacity
- sky view factor (SVF)
- urban canyon
- anthropogenic heating
- particulate matter
- peak demand
- acid rain
- urban heat wave
- vulnerable populations
- green roofs/cool roofs
- cool pavements
- scrubbers
- particulate matter
- lead pollution
- photochemical smog
- tropospheric ozone
- noise pollution
- lung function
- asthma
- chronic bronchitis
- overburden
- infrastructure loading
- effluent
- runoff
- leaching/seepage
- emissions standards
- catalytic converter
- Air Quality Index
- waste management/minimization
- urban/suburban sprawl
- brownfield site/redevelopment
- greenfield site/preservation
- urban agriculture/forestry

Topic: *Fieldwork Project*

- fieldwork question
- geographic context
- locational map
- method

Social Studies: IB Geography SL

- procedure
- data
- graph
- chart
- data mapping
- GIS
- conclusion

Topic: *Populations in Transition*

- demographics
- exponential/geometric growth (vs. arithmetic growth)
- annual growth rate
- crude birth rate (CBR)
- crude death rate (CDR)
- general fertility rate (GFR)
- age-specific birth rate (ASBR)
- standardized birth rate (SBR)
- total fertility rate (TFR)
- infant mortality rate (IMR)
- child mortality rate (CMR)
- life expectancy (E_0)
- population structure/population composition
- population pyramid
- triangular graph
- doubling time
- population momentum
- population projection
- demographic transition (agricultural, industrial, postindustrial)
- Malthusian view of population resources
- anti-Malthusian view
- Boserup theory
- Durkheim theory
- neo-Malthusian view
- Limits to Growth model
- carrying capacity
- optimum population
- overpopulation
- underpopulation
- aging ratio
- dependency ratio
- older dependency ratio
- family planning
- pro-natalist policies
- anti-natalist policies
- migration/emigration/immigration
- remittances
- inverse distance law
- intervening opportunities
- push-pull factors
- “brain drain”
- economic migrant
- migrant worker
- refugee
- asylum seeker
- illegal immigration
- internally displaced persons

Topic: *Disparities in Wealth and Development*

- gross national income (GNI)
- purchasing power parity (PPP)
- Human Development Index (HDI)
- gender-related development index (GRDI)
- gender empowerment measure (GEM)
- education index
- more economically developed country (MEDC)
- less economically developed country (LEDC)
- newly industrializing country (NIC)
- Asian Tigers
- malnutrition
- starvation
- deficiency disease
- kwashiorkor
- marasmus
- obesity
- land tenure
- dependency theory
- world systems analysis
- core – periphery - semi-periphery
- income inequality
- Gini coefficient
- U.N. Millennium Development Goals (MDGs)
- modernization/developmentalist theory
- Rostow Model
- mercantilism/neomercantilism

Social Studies: IB Geography SL

- trade-based development
- comparative advantage
- regional specialization
- international division of labor
- free trade vs. protectionism
- tariffs
- quotas
- subsidies
- trading blocs
- export processing zone (EPZ)
- free trade zone (FTZ)
- World Trade Organization (WTO)
- fair/ethnic trade
- top-down development
- direct foreign aid
- World Bank
- International Monetary Fund (IMF)
- structural adjustment program (SAP)
- stabilization measures
- adjustment measures
- debt service
- Heavily Indebted Poor Countries (HIPC) initiative
- bottom-up development
- microfinance
- remittances

Topic: *Urban Populations and Land Use*

- urbanization
- river valley civilizations
- break of bulk point
- port
- head of navigation/fall line
- industrialization
- primate city
- megacity
- megalopolis
- core-periphery relationship
- hinterland
- urban hierarchy
- hamlet
- village
- town
- city
- metropolitan statistical area
- centripetal movements
- rural push factors
- urban pull factors
- multiplier effect
- basic vs. nonbasic sector
- centrifugal movements
- urban sprawl
- suburb/suburbanization
- exurb
- “edge” city
- re-urbanization/urban renewal
- brownfield sites
- gentrification
- residential segregation
- racial segregation
- racial steering/redlining
- restrictive covenant
- “White Flight”
- economic polarization
- urban poverty/deprivation
- cycle of deprivation
- gated community vs. ghetto
- ethnic clusters
- family life cycle
- census tract
- central business district (CBD)
- Burgess Concentric Zone Model
- Hoyt’s Sector Model
- Harris and Ullman’s Multiple Nuclei Model
- agglomeration
- deglomeration
- convenience/lower-order vs. comparison/higher-order goods
- range/threshold of a good
- regional patterns in city structure
- zoning
- formal vs. informal sector

Topic: *Urban Populations and Land Use*

- bypass
- housing shortage/tenure
- low-income/poverty housing
- slums/squatter settlements/ shantytown

Social Studies: IB Geography SL

- peri-urban areas
- urban violence/crime
- inputs/outputs/throughputs
- sustainable city
- greenfield sites/green belt
- “slow/no-growth” strategies

Topic: *Characteristics of Hazards and Disasters*

- hazard
- hazard event
- disaster
- cyclone/anticyclone
- hurricane/typhoon
- tropical depression/tropical storm
- eye/eye wall
- storm surge
- tornado
- funnel cloud
- Tornado Alley
- plate tectonics
- volcano
- Plinian eruption
- ashfall
- lithics/bombs
- eruption column/collapse column
- surge cloud
- pyroclastic surge
- earthquake
- focus/epicenter
- Ring of Fire
- tsunami
- drought
- human-induced hazard
- spatial/areal extent
- frequency
- regularity/temporal spacing
- spatial concentration
- magnitude
- Saffir-Simpson Scale
- Fujita Scale
- Richter Scale
- duration
- speed of onset
- effects
- direct
- indirect
- predictability

Topic: *Vulnerability, Risk, Adjustments and Responses*

- predictability
- vulnerability
- vulnerable populations
- risk
- risk perception
- risk management
- spreading the risk
- rescue
- rehabilitation
- reconstruction
- acceptance
- fatalism
- modify the hazard
- modify the vulnerability
- land-use planning

Topic: *Personal Financial Literacy/Building Wealth – Saving and Investing*

- compound interest
- emergency fund
- interest rate
- money market
- Murphy’s law
- bonds
- CD
- diversification dividend
- investments
- growth stock mutual fund
- liquidity
- mutual fund
- portfolio
- risk tolerance

Social Studies: IB Geography SL

- savings account
- single stock
- speculative
- track record
- 401(k)
- 403(b)
- 529
- IRA
- pre-paid tuition
- rollover
- Roth IRA
- timeframe
- pre/post tax investment
- financial discipline

Topic: *Personal Financial Literacy – Credit and Debt*

- mortgage
- ARM/fixed
- principle/interest
- home equity
- consumer loan
- installment loan
- appraisal
- lease
- grace period
- foreclosure
- depreciation
- financing
- buyer's remorse
- impulse purchase
- same as cash
- debt snowball
- annual fee
- depreciation
- loan term
- opportunity costs

Topic: *Personal Financial Literacy – Risk Management, Insurance, Taxes*

- deductible
- automobile claim
- personal liability
- umbrella policy
- replacement cost
- comprehensive
- collision
- uninsured motorist
- underinsured motorist
- claim insurance
- premium
- VIN
- long term care insurance
- renters insurance
- co-pay
- level term
- HSA
- mortgage insurance
- term insurance
- whole life insurance
- beneficiary
- tax withholding
- National Tax Day
- W-4
- W-2
- FICA
- payroll deduction
- Social Security
- Medicare
- Medicaid