



Learning Journey: 2026-2028

Post
-18

Planning valid
investigations

Statistical
analysis

YEAR
13

YEAR
12

Agriculture

Aquaculture

Forestry

Sustainability

Agroecosystems

Pollution

Remote
sensing

Sustainability of
current energy
resources

Impacts of
pollutants

Properties and
fate of
pollutants

Environmental
impacts of fishing

Planning valid
investigations

Statistical
analysis

Succession

Soil fertility

Universal Soil Loss
Equation

Exploratory
techniques

Equations of
nutrient transfer
rates

Practical work

Field
work

Agriculture

Soils

Biogeochemical cycles

Energy resources

Sampling techniques

Future energy
supplies

Renewable
technologies

Light/thermal/wind
velocity meters

Practical
work

Why conserve
species?

Simpson's
Diversity
Index

Threats to
biodiversity

Legislation

IUCN red
list

Habitats eg -
rainforests, coral
reefs, antarctica

Global climate
change

Transition
from
GCSE

Conservation of Biodiversity –
importance & methods

Habitat
conservation

Life processes &
conservation planning

Ecological
monitoring

Conditions for
life on earth

The atmosphere

The hydrosphere

Mineral resources

Goldilocks
effect

Plotting and
interpreting
graphs

Ocean
currents

C – N – P
cycles

Hydrological
cycle

Water treatment

Succession

Population
dynamics &
data handling

Lasky's
principle

Seed Banks

Captive
breeding &
release

Colour code for route maps:

Biology topics

Chemistry topics

Physics topics

Road colour

Energy knowledge

Forces knowledge

Cells knowledge

Matter knowledge

Working scientifically skills typed in blue