

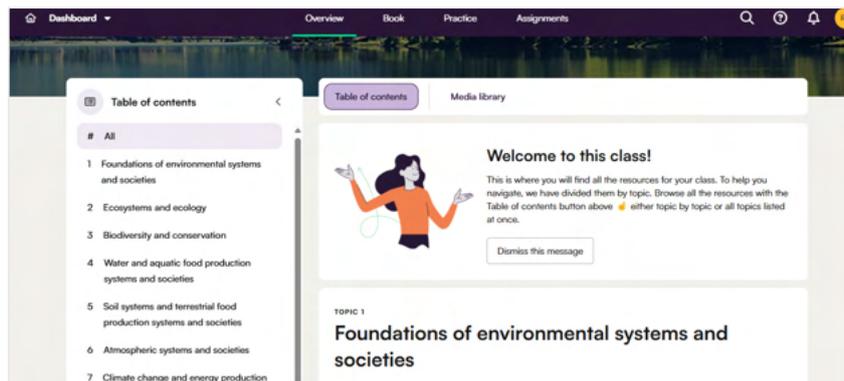
IBDP Environmental Systems & Societies FE2026

Our IBDP Environmental Systems and Societies (ESS) offers your students an interactive digital learning platform with comprehensive, curriculum-aligned resources to deepen their understanding of environmental science. Equip your classroom with engaging tools like quizzes, interactive exercises, and detailed explanations to help students excel and prepare effectively for their exams.



Key Features

Our IBDP Environmental Systems & Societies subject (ESS) fully supports the DP syllabus for the first examination from 2025 for both Standard Level and Higher Level material. Kognity's ESS digital book is a co-publishing collaboration with the IB, making it a best-in-class resource for both students and teachers.



The 3 key concepts of Environmental Systems and Societies are addressed throughout the book in concept boxes. These concept boxes allow students to develop a deeper understanding of various worldviews on environmental issues (Perspectives), apply holistic analysis to human-constructed and natural systems (Systems), and learn about resource management and its critical role in sustainability (Sustainability)

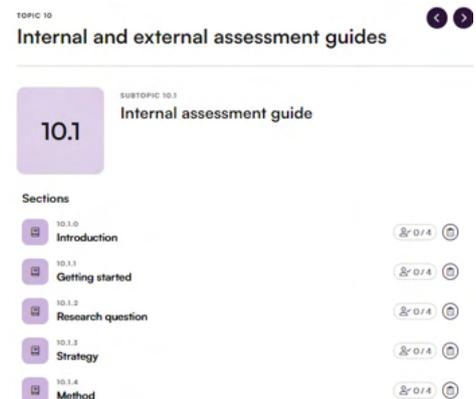


Concept

Systems

A system is any set of interacting or interdependent components (parts), organised to create a functional whole. Urban areas function as a system with varied components (like buildings, people, and other biotic and abiotic components) that interact through processes of transfers and transformations of resources to achieve human wellbeing and ecological health. These are emergent properties of urban systems.

In addition to the fully syllabus-aligned textbook, Kognity Environmental Systems and Societies includes a detailed support guide for the Internal and External Assessments as well as a fully-equipped practice centre.



Kognity Environmental Systems and Societies contains a wide variety of highly relevant case studies that have an international focus, making it clear that all aspects of Environmental Systems and Societies need to be considered in an international context. We use clear language and provide detailed explanations, supported by a glossary function to assist students with subject-specific terminology throughout the material.



Case study

Show or hide attributes

Has the Amazon rainfore

The Amazon rainforest is t
known as the 'lungs of the
oxygen. Each day, one tree

The process by which water moves
from land to the atmosphere by
evaporation and from plants by
transpiration.

See entire glossary

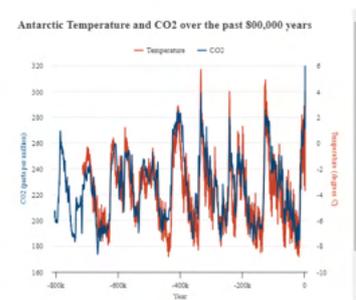
more than 400 billion trees. It is
carbon dioxide and producing
water into the atmosphere as
water vapour. This process is called [evapotranspiration](#). This water vapour produces clouds
that generate [precipitation](#) in the form of rainfall that is cycled back through the forest. Thus,
the Amazon rainforest actually generates and regulates its own climate.

Students are encouraged to make connections between topics that are supported throughout the book. The adoption of this concept-based approach enhances their learning and strengthens their understanding of the topics.

Making connections

[Subtopic 2.3](#) discusses biogeochemical cycles including the carbon and nitrogen (HL) cycles. Human beings have interrupted the natural storages and flows of carbon in ecosystems by extracting fossil fuels and burning them. Fossil fuel deposits took millions of years to form, but humans are close to depleting them after a few hundred years, while greatly increasing the movement of carbon dioxide into the atmosphere through combustion, a transformation. This disrupts the natural equilibrium in the carbon cycle, which then disrupts the climate system.

Diagrams, illustrations, photos, videos, and interactives, add a visual perspective to key concepts of the syllabus and can be found throughout all sections of Kognity's Environmental Systems and Societies.



Interactive 1. Ice core analysis shows long-term correlation between atmospheric carbon dioxide and temperatures.
Source: Carbon Brief

International Mindedness and Theory of Knowledge are brought to the forefront in special boxes that can be found consistently throughout Kognity's Environmental Systems and Societies Platform. This promotes students to consider that the actions they take in one place can have global implications.

Theory of knowledge

Scientists' conclusions about the link between human activity and a warming planet have been confirmed by extensive research. But all scientific research comes with a level of uncertainty.

Unfortunately, climate change deniers have used the small levels of uncertainty as a weapon to undermine climate change science generally. This has caused confusion in the public and delayed the urgent action needed to mitigate carbon dioxide emissions and plan for adapting to a changing climate. The Vox podcast series *Uncertainty* explains the issue in the episode called [Weaponizing Uncertainty](#).

What role does/should uncertainty in scientific investigation play in our acceptance of knowledge?

International mindedness

Our planet's health is a global responsibility. Rewilding projects highlight the need for international cooperation to tackle environmental challenges like biodiversity loss and climate change. Since many species migrate across borders, collaboration between countries is crucial for rewilding success.

Creativity, activity, service (CAS) boxes can also be found throughout the ESS book offering students various ideas and activities they may wish to engage in.

Creativity, activity, service

Show or hide attributes

- Carry out research to find a rewilding project near where you live. Choose an artistic medium (sketching, painting, photography, videography or other). Using your preferred method, represent the rewilding efforts in the project you chose.

