Kognity

Starting the School Year with Kognity

Topic:	2 Global Climate - vulnerability and resilience

Lesson:	Ready for Action Lesson Plan		Subject:	IBDP Geography

What can I use this lesson plan for?

This is a great lesson plan for introducing students to both the Geography curriculum and Kognity's digital platform features in the beginning of the school year. As the year progresses, you can use these activities with different sections of the Geography digital books.

◎ Lesson Objectives:

Students will be able to apply Kognity's digital book features to classroom learning in Geography.

🕑 Time Allotment:

Recommended time is *one hour*, however the revision activities provide opportunities for extension.

📋 Materials:

2.1.3 (Energy in the Atmosphere), Infographic Design Websites

Activities with Kognity

Hook

Tell students they are going to start the unit by doing a pre-assessment in their Kognity platform to get a sense of how much they know about the causes of global climate change. Students should do the following:

- Head to the practice centre and take the Strength Test for Subtopic 2.1 (Causes of Global Climate Change).
- When they are done, students should review their answers while they wait for classmates to finish.
- Discuss each of the questions as a class, asking students to share their responses.

Introduction Activity

With the overview page up projected on the board, give a brief introduction of Kognity and the useful features for students, by explaining that:

- The content in each section of the book incorporates **videos, external links, concepts**, and **activities** to enhance students' learning.
- Each subtopic has a series of **section questions** at the end that allow students to check their knowledge and understanding in small increments.
- The **practice centre** has exam style questions, strength tests and battles for all topics that allow students to check their knowledge and understanding of each topic. As they engage with the **strength test and battles**, their **strength bar** (on the overview page) will increase, allowing them to keep track of their strong content areas and areas they need to work on.
- Teachers can assign readings and questions and can keep track of student progress.

Group Activity

1. In section 2.1.3, watch the youtube video, "How the Sun Heats the Earth," Answer any clarifying questions students may have.

2. Ask students to get into groups of four (in breakout rooms if remote or table groups if in person) before giving the following directions for the activity.

3. Tell students they are going to create an infographic based on the information in the video as well as the accompanying reading in the Kognity book on how the sun heats the earth. Each group must be prepared to present their infographic to the class.

4. Have each group share their infographic with the class.

Independent Activity

1. Have students read the rest of section 2.1.3 independently (this includes studying the table and watching the video "The Greenhouse Effect."

2. Have students respond to the questions in the exam tip box in their Kognity Notebooks:

> ⓘ **Exam Tip**
>
> Make sure you know and understand the natural greenhouse effect:-
>
> - the processes that cause and maintain it
> - its importance in establishing and maintaining temperatures conducive to life on Earth.

Note to teachers: the independent activity can also be given as a reading assignment for homework.

Revision Activities

At the end of section 2.1.3, there are several possible activities you can do with your class.

- Bring students together to review the questions in the exam tip box and answer any outstanding questions about the reading material or Kognity features.

- Complete section questions for section 2.1.3 to consolidate their knowledge.

- Explain that the independent activity was a taste of the reading assignments students will get throughout the year.

- Have students go to the **practice centre** to take the 2.1 **Strength test** as a post assessment, or engage in a **strength battle** with a classmate (These questions encompass all of topic 2).