# Kognity

# Starting the School Year with Kognity

| Topic: | 0 Introduction |
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| Lesson: | Ready for Action Lesson Plan | | Subject: | IBDP Maths |
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### What can I use this lesson plan for?

This is a great lesson plan for introducing students to both the IBDP Maths Analysis and Approaches and IBDP Maths Analysis and Interpretations curriculum, as well as Kognity's digital book features in the beginning of the school year. The activities in this lesson work well with remote or in person learning. As the year progresses, you can use these activities with different topics in the Maths digital books.

### Lesson Objectives:

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

### Time Allotment:

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

### Materials:

*Maths Analysis and Approaches* OR *Maths Analysis and Interpretations*

## Activities with Kognity

### Hook

1. Introduce students to the idea that we will be doing a lot of investigations in the class.

2. Explain why investigations are important and interesting.

3. Have students use the Investigation example in section 0.1.4 and have students work with the accompanying applet in groups to figure out the network with optimal lengths (you can find this investigation example in both Kognity's Maths Analysis and Approaches and Analysis and Interpretations).

4. Have students share their ideas with the class.

### Introduction Activity

Give a brief introduction of more useful Kognity features for students, by explaining that:

- The content in each section of the book incorporates features like **videos, glossary, applets,** and **activities** to enhance students' learning.

- Each subtopic has a series of **section questions** 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. Tell students they will now participate in a Kognity features scavenger hunt.

2. Challenge groups of 3 to find three other interactive features (similar to the applet in 0.1.4) in any part of the book.

3. Have them present an example of what they found to the class.

## Independent Activity

1. Give students a reading assignment in the book for one of the initial topics, and ask them to complete the section questions at the end of the reading.

2. Have them identify as many features as they can in their reading assignment. These can include the glossary link, videos, calculator instructions, geogebra applets, example questions, text boxes or notebook.

3. Have students demonstrate these to the class.

## Revision Activities

The following are different revision activities you can do with your class on any Maths subtopic:

- Assign your students Practice/Exam-style questions, where they can answer one to two questions for a specific subtopic that has already been discussed in class. These questions are modelled after IB exams and are invaluable when students are preparing for exam papers.

- Respond to each checklist bullet point in section in their Kognity notebooks to test their knowledge and understanding.

- Have students go to the practice centre to take the Strength test as a post assessment, or engage in a strength battle with a classmate.

- Create a question or reading assignment on any topic or subtopic. Then, have students head over to the Assignments tab to identify how assignments are presented to them. Now they can complete their first graded homework/activity on Kognity!