



KNOWLEDGE PROFILE®

STUDY GUIDE

Powered by **LEXIUM®**

V2

Lexium is a Mexican company headquartered in Monterrey, Nuevo León.

Founded in 1992, Lexium was created to assess and enhance learning abilities and knowledge.

KP (Knowledge Profile)

It is a high-quality, high-standard test that assures the mastery of knowledge needed for admission in Higher Education.

Since **KP** will be an important indicator in your college admissions process, you should take into consideration:

- It will be accessed through a link and using a personal username and password that will be assigned to you.
- Excellent internet connection is required.
- You will need a tablet, laptop, or desktop computer (do not use a cell phone or smart phone).
- IOS or Android can be used.
- Access to the exam is personal and only for a single exhibition.
- In case of a second chance, you will be given another username/password.
- **KP** present its items in multiple-choice format.
- It has different sections, usually four or five, including subjects related to mathematics, communication and learning skills.
- Each section specify the time you will be given to answer it.
- The entire exam is timed; if you run out of time, you will not be able to return to finish the items that were left unfinished.
- There are no penalties for incorrect answers.

Suggestions

KP stands for **Knowledge Profile**.

If during your academic life you have been a good learner, it is then possible that you need only a review.

But if, on the other hand, you consider that your academic preparation was rather poor or not so satisfactory (due to internal or external causes), we recommend you take time to study the subjects suggested below and devote effort to relearn as this will benefit you, not only for KP, but also to start your university life better prepared.

In preparation for your KP exam

- Check the subjects listed below.
- Plan the number of hours you will need to spend reviewing or studying each subject.
- Work according to your plan using the guide below.

Before starting your KP exam

- Make sure you have a good computer equipment and a good internet connection and clean your cookies and temporary files.
- If you wear glasses, keep them handy.
- Make sure you are in an appropriate place to take an exam: good light, silence, and no distracting elements.
- Turn off your cell phone and, preferably, do not carry it with you, it is a great distractor.
- Have a calculator at hand, as well as paper and pencil.

As you begin your KP exam

Give yourself time to analyze the initial screen and identify its elements: general instructions, subjects to be addressed and time to answer

While in the exam

- Do not leave questions unanswered.
- Before finishing the section, if you have time to spare, go back and check your answers.
- If you lack time, just try to answer faster in the next section.

Study Guide

1. Look at the subjects.

Mathematics

- Algebra
- Geometry
- Trigonometry
- Analytic Geometry
- Calculus
- Integral calculus

Communication area

- Reading
- Writing
- Technology in relation to communication

2. Evaluate your level of mastery in each one.

Math	My mastery				
	Poor	Fair	Regular	Good	Excellent
- Algebra					
- Geometry					
- Trigonometry					
- Analytic Geometry					
- Calculus					
- Integral calculus					
Communication					
- Reading					
- Writing					
- Technology in relation to communication					

3. According to what you answered in the table above, start your preparation using the following information.

***Important note:** if clicking on the link does not redirect you, copy and paste it directly into your browser.

Algebra elements

Use of variables and algebraic expressions

Links

<https://lexium.mx/kpi-valgebra01>

<https://lexium.mx/kpi-valgebra02>

<https://lexium.mx/kpi-valgebra03>

<https://lexium.mx/kpi-valgebra04>

My notes

Use of numbers and their properties.

Links

<https://lexium.mx/kpi-valgebra05>

My notes

Algebra elements

Basic concepts of algebraic language.

Links

<https://lexium.mx/kpi-valgebra06>

<https://lexium.mx/kpi-valgebra01>

My notes

From numerical patterns to algebraic symbolization.

Links

<https://lexium.mx/kpi-valgebra07>

<https://lexium.mx/kpi-valgebra08>

My notes

Geometry / Trigonometry / Analytic Geometry

Fundamental concepts of space and form “the geometric”.

Links

<https://lexium.mx/kpi-vgeometry01>

My notes

Basic trigonometric concepts

Links

<https://lexium.mx/kpi-vgeometry02>

My notes

Analytic geometry as an algebraic method for solving geometric tasks. The system of various coordinate systems.

Links

<https://lexium.mx/kpi-vgeometry03>

My notes

Geometry / Trigonometry / Analytic Geometry

Basic concepts of the rectangular coordinate system, orientation and position in the plane.

The role of the origin of coordinates in the reference systems.

Links

<https://lexium.mx/kpi-vgeometry04>

My notes

Recognition and construction of geometric places: line, circle, ellipse, parabola and hyperbola, circumference, ellipse, parabola and hyperbola.

Links

<https://lexium.mx/kpi-vgeometry05>

My notes

Calculus / Integral Calculus

Basic concepts of coordinate systems, orientation and position.

Links

<https://lexium.mx/kpi-vcalculus01>

<https://lexium.mx/kpi-vcalculus02>

My notes

Introduction to algebraic functions and elements of elementary transcendental functions.

Links

<https://lexium.mx/kpi-vcalculus03>

<https://lexium.mx/kpi-vcalculus04>

My notes

Reading / Writing / Orality

The importance of language and the role of grammar.

Links

<https://lexium.mx/kpi-reading01>

My notes

The text as a source of information and expression of new ideas.

Links

<https://lexium.mx/kpi-reading05>

<https://lexium.mx/kpi-reading12>

<https://lexium.mx/kpi-reading02>

<https://lexium.mx/kpi-reading03>

<https://lexium.mx/kpi-reading09>

<https://lexium.mx/kpi-reading10>

<https://lexium.mx/kpi-reading04>

<https://lexium.mx/kpi-reading11>

My notes

Reading / Writing / Orality

Argumentative writing.
Original argumentative writing.

Links

<https://lexium.mx/kpi-reading13>

<https://lexium.mx/kpi-reading14>

<https://lexium.mx/kpi-reading02>

My notes

Interpersonal communication / Technological communication

Collaborative work in the classroom as a basis for the integration of the learning community. Learning community.

Links

<https://lexium.mx/kpi-communication01>

<https://lexium.mx/kpi-communication02>

<https://lexium.mx/kpi-communication03>

My notes

Responsible handling of information.

Links

<https://lexium.mx/kpi-communication04>

<https://lexium.mx/kpi-communication05>

<https://lexium.mx/kpi-communication06>

My notes



Evaluates

**Degree of mastery:
Knowledge + Skills
for entrance to Higher Education**

It's a...

**OnLine test
Math + Communication + Skills
Demands accuracy and speed in answering
Contains multiple choice questions**

Get ready

Review the subjects
Think about your level of mastery
Plan the time you will spend: **Review**
Learn
Enhance



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