



Jeddah Knowledge International School
IXL Grade 10 going to 11 Summer Study Breakdown
(2021-2022)

Part 1:

Students need to review from their exercise books, revision packs and summer homework to prepare for the background knowledge test that will take place on the 6th of September of next academic year. The test will be based on all the concepts taken in grade 10.

IXL Skill

Go to Algebra 2:

Algebra 2: U. Parabolas

- Write equations of parabolas in vertex form from graphs
- Graph parabolas

Algebra 2: CC. Sequences and series

- Write a formula for a geometric sequence

Part 2:

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IXL Skill

Go to Algebra 2:

Algebra 2: S. Logarithms

- Evaluate Logarithms
- Evaluate logarithms using properties

Algebra 2: Z. Trigonometry

- Trigonometric ratios: find an angle measure

Part 3:

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IXL Skill

Go to Algebra 2:

Algebra 2: Z. Trigonometry

- **Find trigonometric ratios using the unit circle**
- **Law of Sines**
- **Area of a triangle: Law of Sines**

Please note that The Math IXL HW should be completed before the 1st of August as this will be the cutoff date for the calculation of scores.