



Jeddah Knowledge International School
IXL Grade 10 going to 11 Summer Study Breakdown
(2020-2021)

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 20th of September of next academic year. The test will be based on all the concepts taken in grade 10.

IXL Skill

Go to 11th Grade -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 an arithmetic sequence
- Write a formula for a geometric sequence

Part 2:

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 20th of September of next academic year. The test will be based on all the concepts taken in grade 10.

IXL Skill

Go to 11th Grade -Algebra 2:

Algebra 2: S. Logarithms

- Convert between exponential and logarithmic form: rational bases

Algebra 2: Z. Trigonometry

- **Trigonometric ratios: sin, cos, and tan**
- **Trigonometric ratios: find a side length**
- **Trigonometric ratios: find an angle measure**

Part 3:

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 20th of September of next academic year. The test will be based on all the concepts taken in grade 10.

IXL Skill

Go to 11th Grade -Algebra 2:

Algebra 2: Z. Trigonometry

- **Law of Sines**
- **Law of Cosines**
- **Area of a triangle: Law of Sines**

Please note that The Math IXL HW should be completed before the 2nd of August as this will be the cutoff date for the calculation of scores.