



KHANACADEMY

Khan Academy Science App Review

By Anthony Van Hulsen

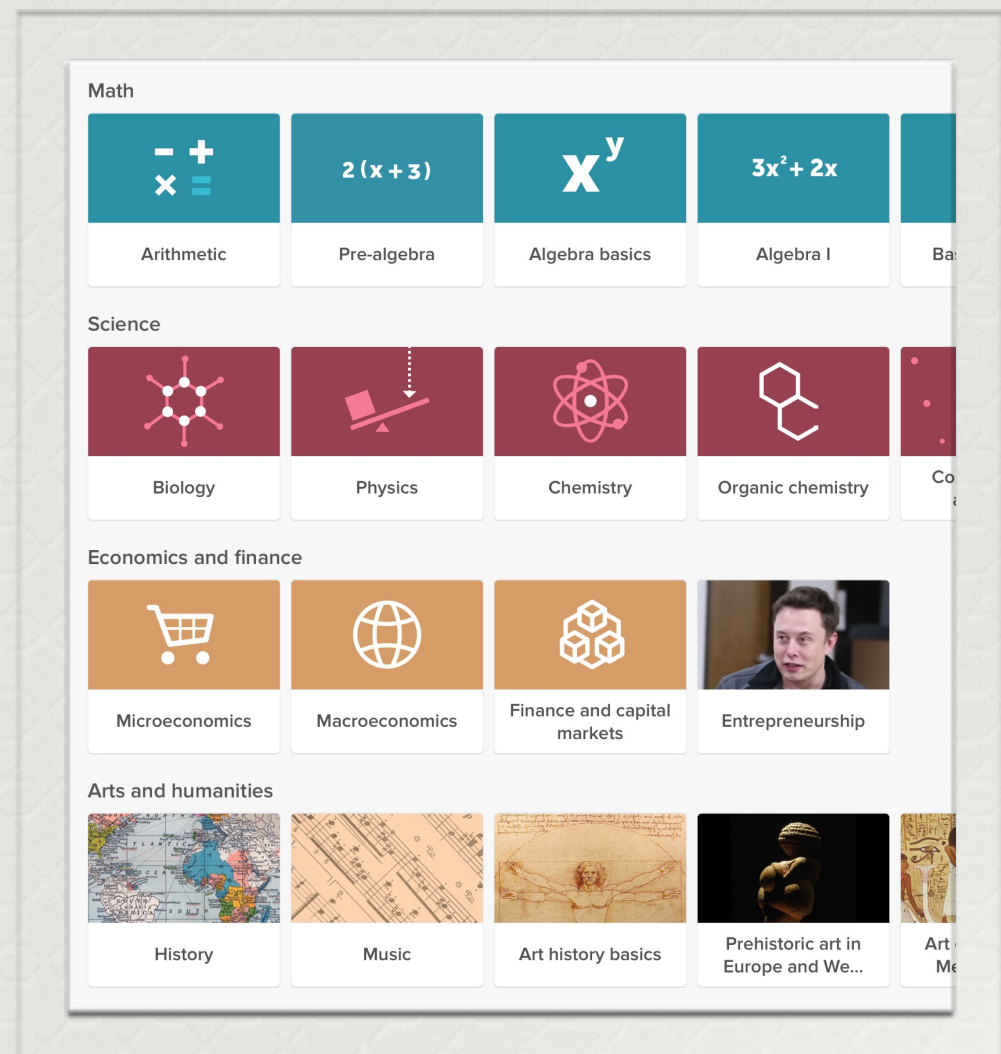
Khan Academy

I chose the app khan academy because I have used the app before and it had many good reviews on the App Store. In my my keynote presentation overall I will be telling you if I would recommend this app to a friend by answering a various amounts of questions. This app is not only about science, it covers all subjects in depth.

#YouCanLearnAnything

Questions

- ✿ *What grade is this app meant for? I believe this app is meant for all grades because you can choose how hard you want the subjects to be.*
- ✿ *What type of science does this app teach you? This app teaches you all types of science and really goes in depth about these types of sciences.*
- ✿ *Is the app easy to use and is it self-explanatory or does it take a long time to figure out? This app is very easy to use and is self explanatory. All you have to do is click on the different tabs and it will take you to the different parts of the application.*



Questions

- ✦ *How does this app help users build skills or learn content? This app helps users build skill by using videos, downloadable notes, games, quizzes and interacts with you by always keeping track of your scores.*
- ✦ *Does this app teach you in different ways? Yes this app teaches you in many different ways because you can do visual learning through pictures, hear through videos and write down notes.*
- ✦ *Does this app go to in depth learning? I believe this app does go a little into in depth learning through all the different aspects of science but doesn't answer all your questions.*

Electronic structure of atoms

Bohr's model of the hydrogen atom

- ▶ Bohr model radii
- ▶ Bohr model energy levels (derivation using physics)
- ▶ Bohr model energy levels
- ▶ Absorption and emission

Quantum numbers and orbitals

- ▶ Heisenberg uncertainty principle
- ▶ Quantum numbers
- ▶ Quantum numbers for the first four shells

Electron configuration

- ▶ Orbitals
- ▶ More on orbitals and configuration
- ▶ Electron configuration element
- ▶ Electron configuration

Periodic table

Introduction to the periodic table

- ▶ The periodic table - classification of elements
- ▶ Groups of the periodic table
- ▶ The periodic table - valence electrons for main group
- ▶ The periodic table - transition metals

Periodic table trends

- ▶ Atomic radius trends on periodic table
- ▶ Atomic and ionic radii
- ▶ Mini-video on ion size
- ▶ Ionization energy trends

Chemical bonds

Questions

- What does this app teach you? This app teaches you about all subjects in school including math, science, economics, history and computing. Also goes into the different topics about these subjects.
- Is this app fun? Yes I do believe this app is kind of fun even though it is a school app because you get to keep track of your score and win prizes.
- Is the information true and correct? Honestly I would not know if all the information was true and correct because I am only a grade 9 student but from my understanding I believe it was mostly correct. I also believe it is mostly correct because people rated this app very well.

The screenshot shows a video player interface. The video content displays a periodic table of elements with a list of groups on the left:

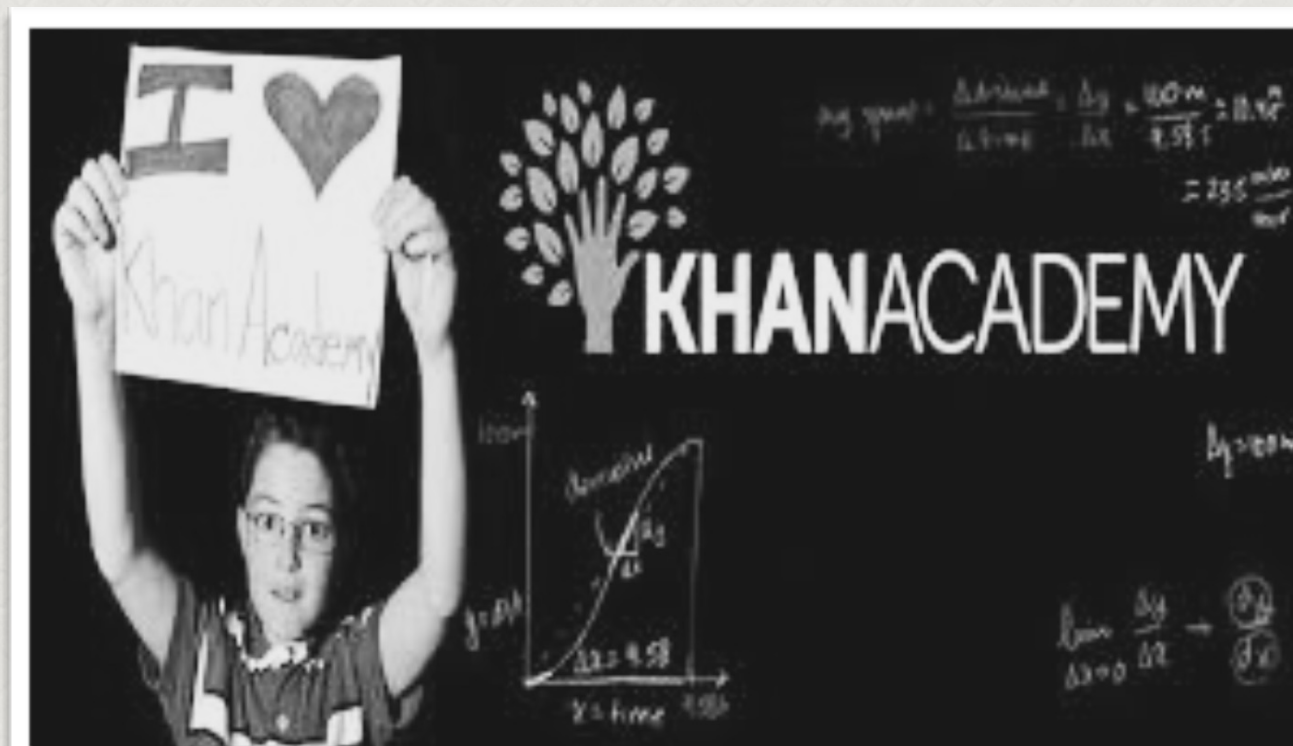
- groups
- periods
- alkali metals
- alkaline earth metals
- metals vs. nonmetals
- halogens
- noble gases
- metalloids

The periodic table includes element symbols, atomic numbers, and names. The video player controls at the bottom show a progress bar at 0:08 / 8:47. Below the video player, there are download and share buttons, and a list of timestamps with corresponding text:

- 00:01 In this video, we're going to look at the periodic table.
- 00:03 We're going to classify the elements into groups.
- 00:06 And so as we go through these terms,
- 00:08 I'm going to be checking them off.
- 00:10 The groups are the vertical columns on the periodic table.
- 00:14 And so, if I go over here, I can see that all of these elements
- 00:18 are in the same vertical column.
- 00:20 So all these elements are in the same group.

My Conclusion

Overall I believe the Khan academy app taught me a lot about science and chemistry in general. It showed me all topics about chemistry like the periodic table, chemical reactions, atoms and compounds. It taught me this through mostly videos which I found the most helpful. In conclusion I would recommend this app to friend for learning over the summer or if your trying to get a full understanding about a certain subject in school.





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The End