

Electronic educational board for learning Kazakh alphabet

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Abstract

Everyone knows that in order to speak any language fluently and express own thoughts, we must learn the alphabet firstly. Consequently, everybody tries to learn it from kinder garden ages. My project generally devoted to children and purpose of Interactive talking poster "Әліппе" - to allow the children to learn the Kazakh alphabet faster. Kazakh language consists of 42 letters. And my project consists of many songs and different patters which can make interest the children. It can be also helpful for kids to distinguish the colors and pictures.

Introduction

What is Alphabetic Knowledge?

- Letter shape recognition
- Letter name knowledge
- Letter sound knowledge
- Ability to print letters
- Rapid letter naming

Why is the alphabet important?

• Letter-name knowledge before formal reading instruction is one of the strongest predictors of children's reading ability.

Interactive talking poster "Әліппе" will helps your kids to learn letters, numbers, colors, new words, 3 patters and cheerful song. Features: 1. clicking the button "Үйрену", it allows child to learn the alphabet and says its entire letters in order and they can call the each figure by clicking them. When you press the button "number", you can see the different numbers which are represented by colors. 2. Next feature named "Сынақ" will allows for kids pass the exam to check how they revise it. If child gives a correct answer "Әліппе" will praise them, otherwise, gives second chance for try again. Finally if they didn't give right answer, they will automatically be transmitted to the next question. Third feature "Ойын" helps to recognize the different images. In case they answer correctly, "Әліппе" will praise your child, otherwise, asks them to try once more. 4. When you press the button "Ән айтайық", "Әліппе" suggest child sing cheerful songs. But when they press the "Жаңылтпаштар", it proposes for child to learn three funny patters. Poster can be placed on a table or on the wall. There have other buttons like a volume control, which you can turn it off to save the battery.

I will do this project using Arduino. Arduino is an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software. It's intended for artists, designers, hobbyists, and anyone who is interested in creating interactive objects or environments [2].

Conclusion

I think this "Interactive talking poster" will be useful for all parents who want to teach their children. Since, it is a poster which you can drag around and stick on the wall easily.

Reference

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