

exam

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1 Introduction

1.1 scratch programming -Scratch is a high-level, block-based visual programming language and website aimed primarily at children as an educational tool, with a target audience of ages 8 to 16.[9][10] Users on the site can create projects on the website using a block-like interface. Scratch was conceived and designed through collaborative National Science Foundation grants awarded to Mitchel Resnick and Yasmin Kafai.[11] Scratch is developed by the MIT Media Lab and has been translated into 70+ languages, being used in most parts of the world. Scratch is taught and used in after-school centers, schools, and colleges, as well as other public knowledge institutions. [

1.2 scratch elements

- 1.motion
- 2.events
- 3.looks
- 4.control
- 5.sound

2 categories of block

scratch

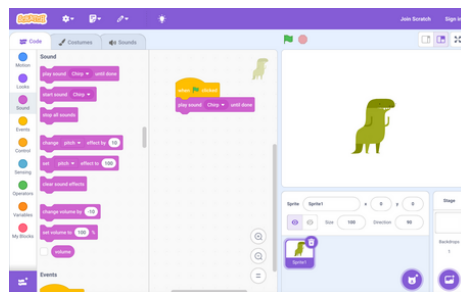


Figure 1: categories