Coding for kids

AZZACH TECH

Alfurqan
LEARNING CENTRE

CODING FOR KIDS

In collaboration with AL-Furqan Learning center.

AZZACH TECH for computing is pleased to announce the "Coding for Kids" course for the Muslim community in Red Deer.
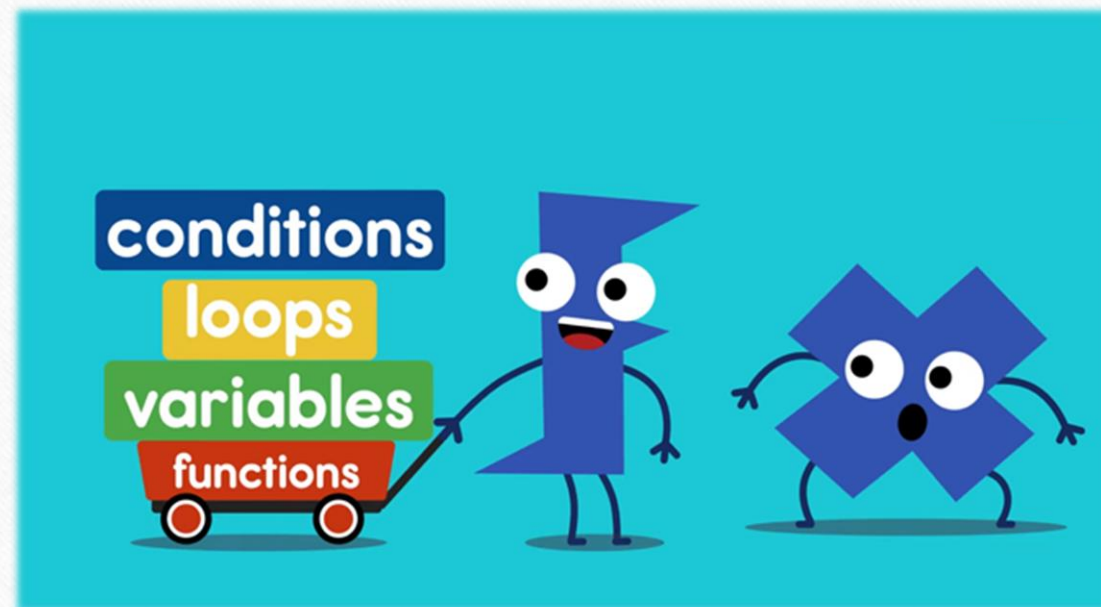
CODING FOR KIDS

COURSE TOPICS

This course will be divided into 6 topics:

1. Programming with Angry Birds.
2. Debugging in Maze.
3. Collecting Treasure with Laurel.
4. Creating Art with Code.
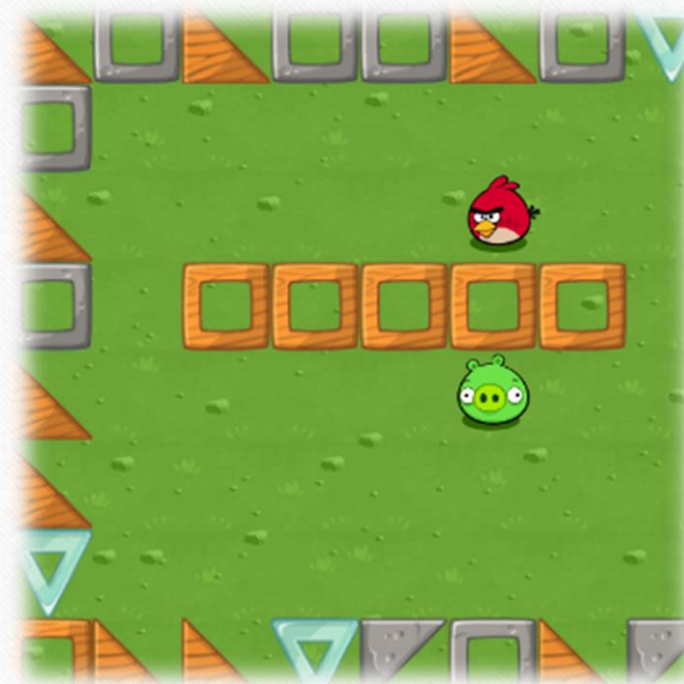5. Swimming Fish in Sprite Lab.
6. Making Sprites.

CODING FOR KIDS

COURSE TOPICS

1. Programming with Angry Birds

In this skill-building lesson, students will develop sequential algorithms to move a bird from one side of a maze to the pig on the other side.

To do this, they will stack code blocks together in a linear sequence, making them move straight, turn left, or turn right.

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COURSE TOPICS

2. Debugging in Maze

In this skill-building lesson, students will encounter pre-written code that contains mistakes.

They will need to step through the existing code to identify errors.

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COURSE TOPICS

3. Collecting Treasure with Laurel

In this skill-building lesson, students will continue to develop their understanding of algorithms and debugging.

With a new character, Laurel the Adventurer, students will create sequential algorithms to get Laurel to pick up treasure as she walks along a path.
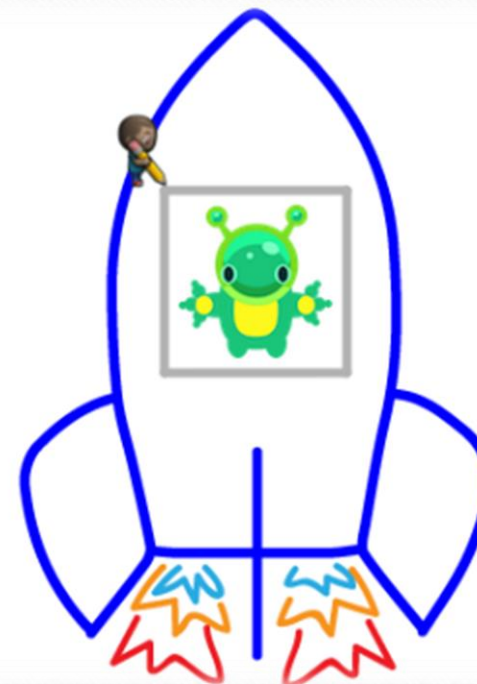
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COURSE TOPICS

4. Creating Art with Code

In this skill-building lesson, students will take control of the Artist to complete drawings on the screen.

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COURSE TOPICS

5. Swimming Fish in Sprite Lab

Students will program a simple animated underwater scene in this skill-building lesson.

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COURSE TOPICS

6. Making Sprites

In this skill-building lesson, students will work through a series of programming levels on the computer, finishing with an open-ended "free play" task where they can build whatever they like.

Students will write programs and learn about the two concepts at the heart of Sprite Lab: sprites and behaviors.

CODING FOR KIDS

COURSE DETAILS

Schedule

– Day: Every Sunday

– Time: 11:00 AM – 1:00 PM

– Length: 4 to 6 weeks

Requirements

– Age : 8 – 13 years

– Students must have a computer.

– Basic computer skills needed.

– Basic zoom acknowledge.

– Read and understand English.

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CODING FOR KIDS

CERTIFICATION

Students will receive a certification after accomplishing the course.