Fun Coding Activities for Kids

Kids Coding DoJo

Explore Coding, Inspire Curiosity

Block built up; Confidence built in

Elevate Your Coding Journey
at Kids Coding Dojo

Welcome to Kids Coding Dojo, where coding becomes a thrilling voyage of creativity, discovery, and empowerment. Our vibrant coding classes are carefully crafted to turn young learners into coding champions, guided by a unique progression system designed to ignite motivation and growth.

Unveiling the Power of Progression!

Our distinctive progression system is tailored to kindle students' enthusiasm for coding, fostering a sense of accomplishment and aspiration. Just as each step in a journey brings newfound perspectives, our progression system propels learners through a series of achievements:

LEVEL UP

Guru

Architect

Geek

Creative Engineer

Coding Adept

Design Thinker

Junior Coder

Explorer

Initiate

Progress Review

Students receive tokens as incentive for their work. Students can earn a certain number of tokens each week for their weekly assignments, class participation. Students placed in Honors and High Honors track receive 50% & 100% extra tokens respectively. Students who earn 1000 tokens will be promoted to next level.

Initiate

Explorer

Junior Coder

Design thinker

Coding Adept

Creative Engineer

Geek

Architect

Guru

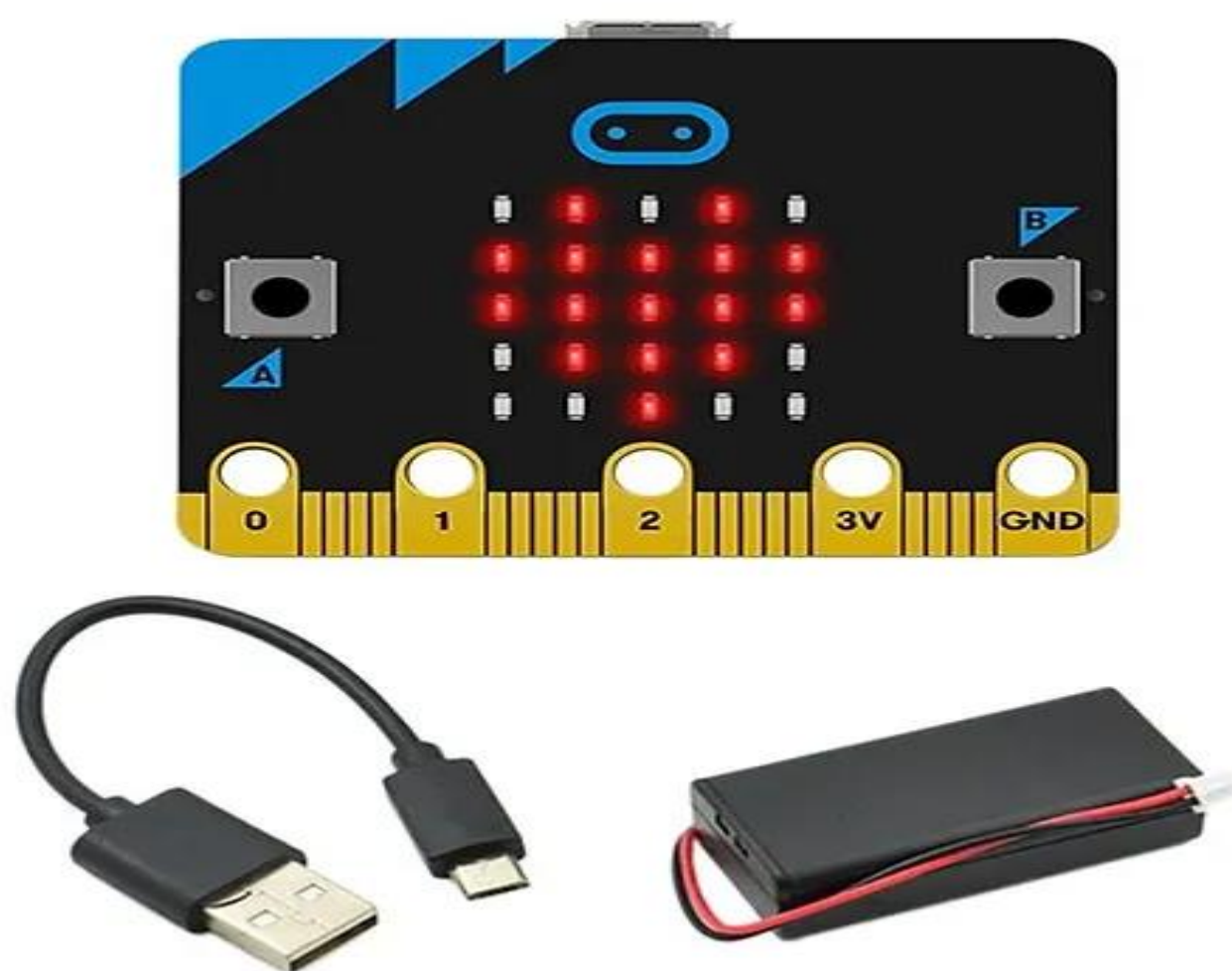# Kids Coding Dojo Curriculums

- Micro:Bit I: Grade 1-2

- Micro:Bit II: Grade 2-3

- Scratch I: Grade 3-4

- Scratch II: Grade 4-5

- Python I: Grade 5-6

- Python II: Grade 6-7

- Python III: Grade 7-8

- Advanced Programming: Grade 9 above
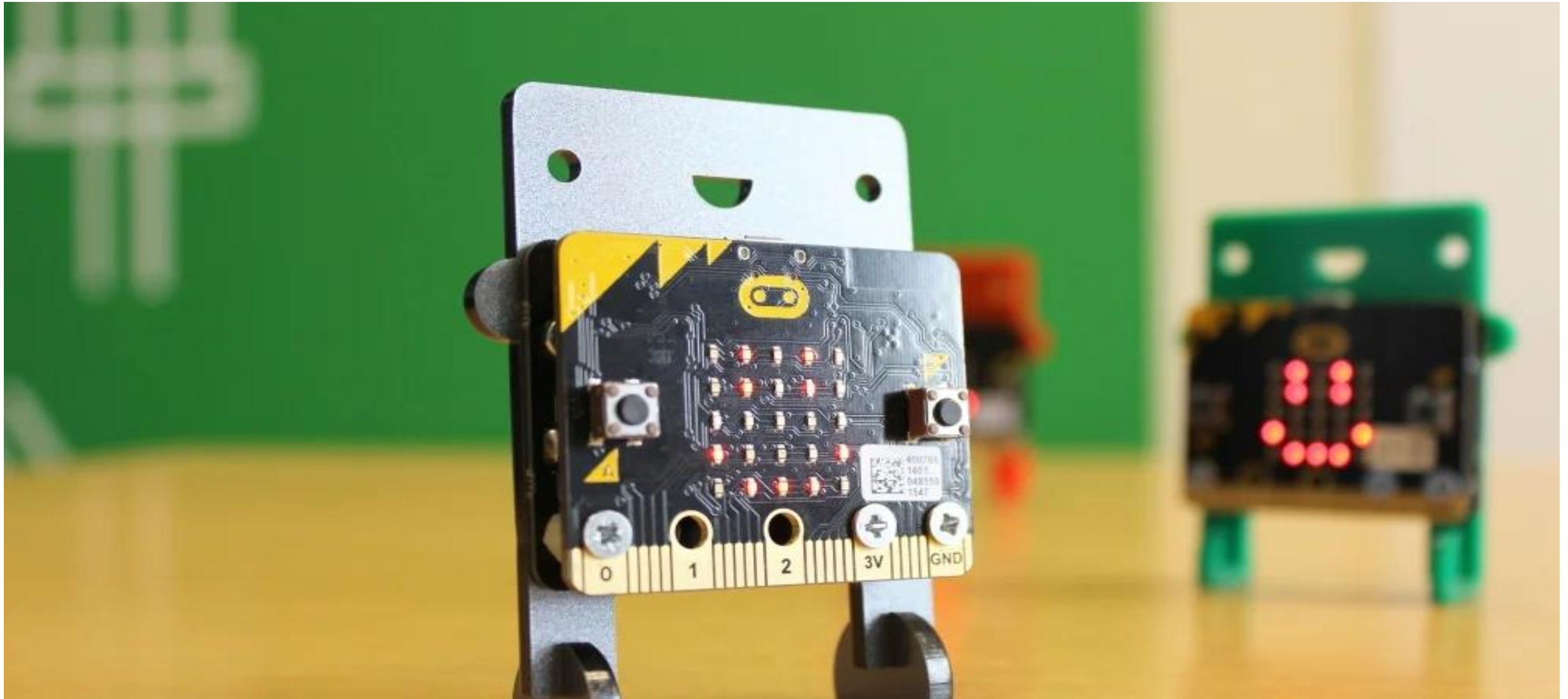
Micro:Bit I
Little Inventor's Lab

Life-long learning starts with early age curiosity. In this class, we cultivate the curiosity to innovative ideas. In this class,

- Using block-based programming language to build smart instruments and devices

- Understanding the digital and physical world interaction

- Developing hand-on skills and persistence as a 21st century maker

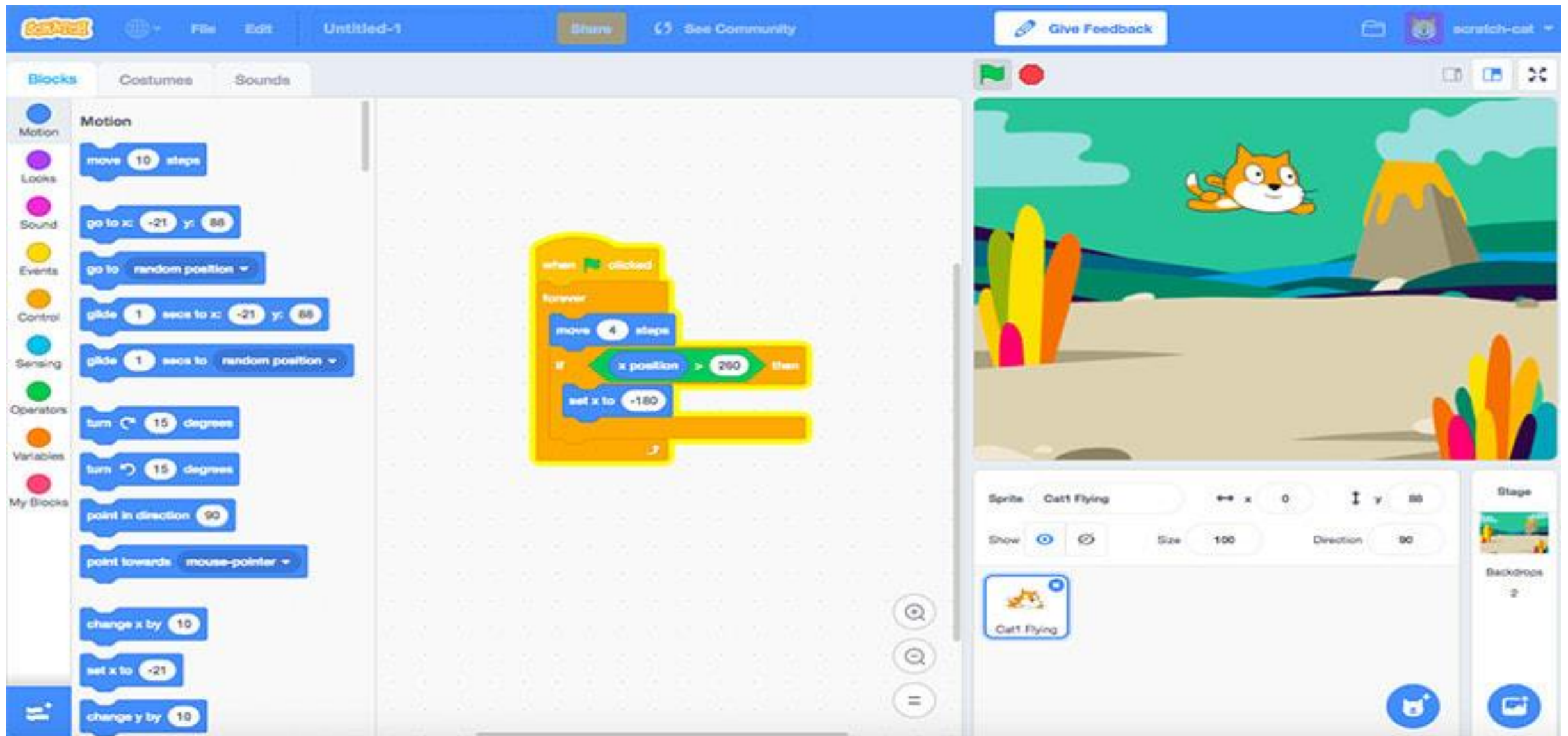- Discovering the infinite possibilities of digital technologies

Micro:Bit II
Everyday Robotics

The combination of real world application and virtual coding is vital, and they can work together to build a better world. In this class,

- Using block-based programming language to construct daily-applicable robotic projects

- Activating learner's sense of artistry and all-around designer-perspective thinking

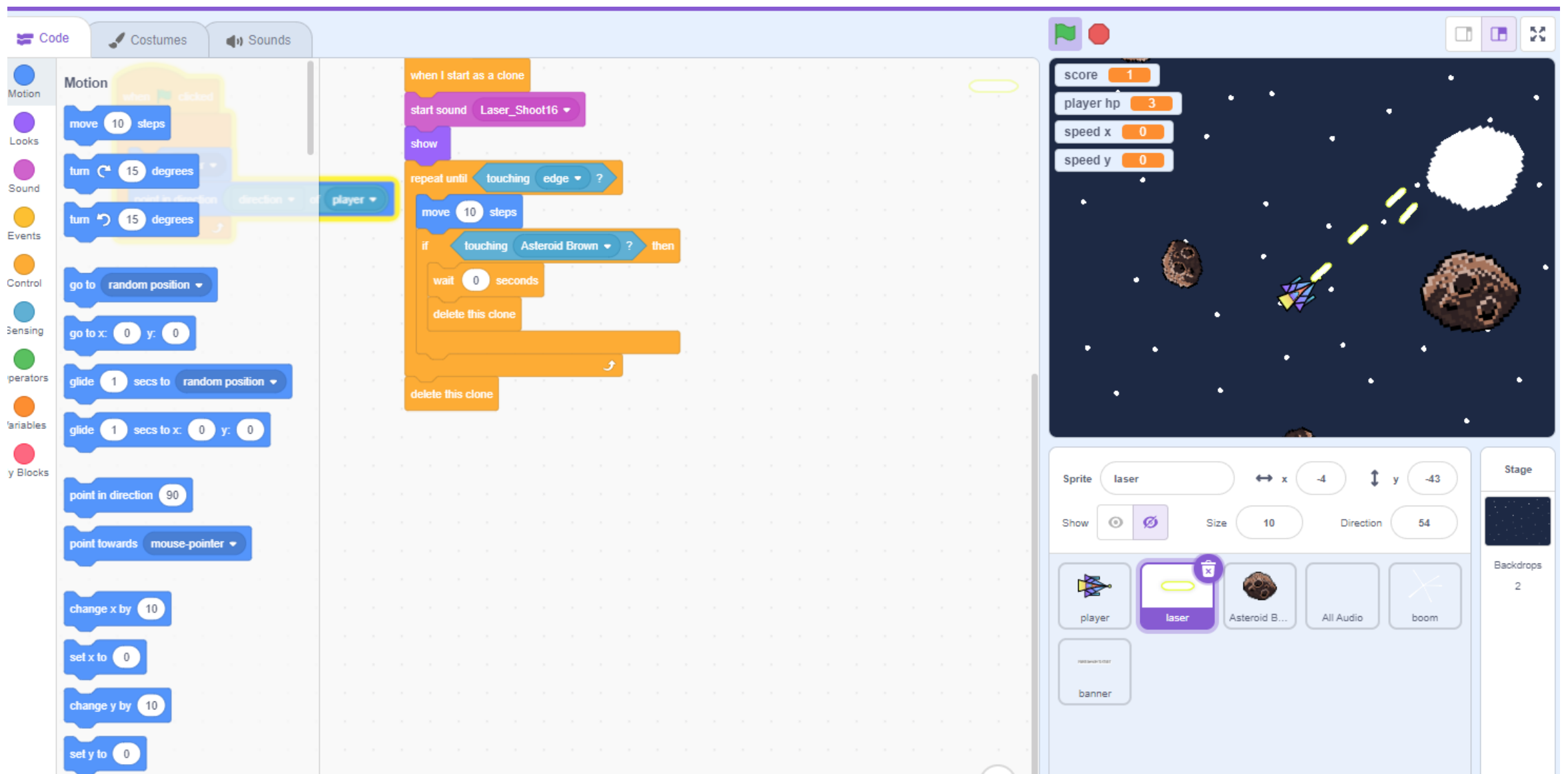- Encouraging proactive learning and programming

Scratch I

The perfect starting point for kids new to coding

- Watch your child's creativity soar as they design and animate their own interactive stories, games, and art projects using Scratch

- Acquire essential digital literacy skills while having fun

- Encourages collaboration, helping kids work together and share their creations with peers

- Build a great foundation for future coding endeavors

Scratch II

Build an impressive portfolio of interactive projects showcasing your child's growing expertise in coding.

- Delve deeper into animation, game design, and interactive story telling

- Develop essential skills such as problem-solving, logic and computational thinking, setting your child up for success

- Get inspired and enthused to explore the world of computer science and technology

Python I
with Minecraft Education

Starting text-based coding with Python does not need to be boring, and we teach students Python with the challenges they care. With this class, students will,

- Acquire essential tech skills by conquering challenges in a gamified learning environment

- Activating learner's sense of artistry and all-around designer-perspective thinking

- Encouraging proactive learning and programming

Python II
Python Turtle


```python
import turtle as t;
import random;

colors = ['red', 'orange', 'yellow', 'green', 'blue',
'indigo', 'violet']

t.pendown()
t.pensize(4)
for i in range(300):
    t.color(colors[i % len(colors)])
    t.width(i/100 + 1)
    t.forward(i)
    t.left(59)
```

Creating digital arts with the Python knowledge we acquired and the only limit is our imagination.,

• Applying Python skills to produce art pieces

• Students feel the real power and potential of programming by constructing drawings

• Project-oriented learning and team-oriented collaboration

Python III
Pygame Zero

Empowering kids to express their creativity through game design and coding.

- Hands-on, practical coding experience that builds problem-solving skills and fosters a passion for technology

- Gain confidence in the ability to tackle complex challenges

- Become motivated in learning through interactive learning

Contact Us

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Sign up class

For more Information

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