

# CODEMAKERS

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## **CODEMAKERS Curriculum Outline Grades 3-5**

### Level I - Programming Concepts

Introduction to Loops

Introduction to Events

Parallel Programming

Introduction to Variables

Introduction to If Statements

Scratch with Marty the Robot

### Level II – Programming Concepts

Introduction to Logic Operators

Introduction to Functions

Exploring Parameters

Scratch with Marty the Robot

### Level III – Responding to Environments

Obstacle Detection

Ground Detection

Accelerometer

Scratch with Marty the Robot

### Level IV – Introducing Python

Scratch vs. Python

Starting with Python

Debugging in Python

Python with Marty the Robot

### End of Week Celebration!

Marty Dance Party