

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

Celebration!

Marty Dance Party