

Level 1 Python with Virtual Robots Pacing Guide

Week 1	First Days Set-up, Unplugged Activities <i>Dedicate time to getting to know your students, assess their prior knowledge, and build a foundation of computer science basics.</i>	
Week 2	Mission 1 & 2 Welcome & Introducing CodeBot <i>A visual and hands-on tour of the components of your 'bot.</i>	Mission 3 & 4 Light the Way & Get Moving <i>These missions take you step-by-step through coding projects involving sequences of motor control and LED lights. Learn how to turn on sound.</i>
Week 3	Mission 5 Dance Bot <i>This mission teaches you about loops, debugging, variables, functions, and algorithms.</i>	
Week 4	Mission 6 Robot Metronome <i>This mission turns your CodeBot into a time-keeping device that a musician can set to the tempo of their choice.</i>	
Week 5	Mission 7 Line Sensors <i>This mission uses the line sensors to navigate your CodeBot.</i>	
Week 6	Mission 8 Boundary Patrol <i>The mission teaches you how to program your CodeBot to roam a fenced area, using line sensors to stay in bounds.</i>	Mission 9 Line Following <i>The mission has your CodeBot mastering the biggest and baddest line-course around.</i>
Week 7	Mission 10 Fido Fetch <i>The mission trains your CodeBot to fetch using a dictionary of commands.</i>	
Week 8	Mission 11 Airfield Ops <i>The mission teaches you some unique programming concepts to help with airfield runway operations.</i>	Mission 12 King of the Hill <i>The mission teaches all about the CodeBot's accelerometer.</i>
Week 9	Mission 13 Going the Distance <i>The mission teaches about the CodeBot's wheel encoders and all the gritty details of those glorious rotating discs.</i>	Mission 14 Music Box <i>The mission turns your CodeBot into a jukebox and teaches about Python's file operations.</i>