

Get Your Robotics On Lesson Plan

Day 1

Introduction to Robotics PPT
Introduction to the Boise Robotics Group (The BoRG)
Review robot kit
Learn to Solder PPT
Practice soldering three resistors on scrap board
Solder CheapBot-14 kit

Day 2

Review soldering
Electronic components PPT
Electronic component schematics PPT
Electronic component functions PPT
Electronic component markings PPT
Solder CheapBot-14 kit
Component marking homework

Day 3

Component marking challenge (win a Servo CD)
Review soldering
Finish soldering CheapBot-14 kit
Install software and USB driver

Day 4

DMM PPT
Test CheapBot-14
Program CheapBot-14

Day 5

DMM challenge (Win a Servo CD)
Robot body PPT
Build robot body
Program robot body

Day 6

Navigation exercise
Dead reckoning challenge (win a Servo CD)

Day 7

Solder line follower kit
Program line follower

Day 8

Line follower challenge (win Servo CD and robot body)