

Chad Cardwell – ITED 521

# **LEGO Mindstorms NXT Tutorial Storyboard Video 2 – Parts 3 and 4**

# Intro – Title Screen w/ music

- Display title and old style LEGO bricks under it with music playing
  - LEGO Mindstorms NXT
    - A Brief Introduction & Tutorial
      - By Chad Cardwell
      - Part 2 of 2
- Title screen text fades away and video pans out to reveal a LEGO Mindstorms NXT robot driving itself and purposely stopping before hitting the old style LEGO bricks that have been placed in front of it.

# Part 3

Program the robot

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# Part 3 – Scene 1

- Video shows me sitting behind table with NXT software CD

# Part 3 – Scene 2

- The software is shown on the screen with me using the mouse, keyboard, and my voice to walk the user through the environment and show them how to build a simple program.

# Part 3 – Scene 3

- Video shows me turning on the NXT robot and plugging a USB cable into it.

# Part 3 – Scene 4

- Video shows me selecting the Download button in the NXT software

# Part 4

Test the robot

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# Part 4 – Scene 1

- Video transitions to a close-up of NXT robot sitting on a table
- I then navigate to the program by pressing the orange button on the NXT multiple times while describing what I'm doing

# Part 4 – Scene 2

- Video transitions to a view of cleared off table top with the NXT sitting in the top left corner facing to the right
- Chad reaches in from the left and presses the orange button one final time
- The robot runs through the program 4 times, with each action shown as an overlay on the table
- Chad holds his hand in front of robot while it plays the sound block on the end of its 4<sup>th</sup> loop
- The robot plays the sound file “Goodbye” and no longer moves

# Closing

- Video shows me sitting at the table with the LEGO Mindstorms NXT box next to me and the robot I just finished testing.
- I then summarize what the video has covered and say a few closing words

# Video 2 Credits

- Video concludes with credits telling the viewer how to find Part 1 of the video, where to find more information on LEGO's website, what music was featured in the video, and finally information about myself and my website address