

JR.ROBOTICS

ADVANCED EV3-G CLASSROOM COURSE

LESSON ONE

- Sensors structure
- Data Wires
- EV3-G Internal Sensor Blocks
- Programming Exercises 1,2

LESSON TWO

- EV3-G External Sensors Blocks P1
- Programming Exercise 3,4,5
- EV3-G External Sensors Blocks P2
- EV3-G Sensors Blocks Summary

LESSON THREE

- Types of Data
- Variables & Constants
- EV3-G Variable Block
- EV3-G Constant Block
- EV3-G Logic Operations Block
- Programming Exercises 6,7,8

LESSON FOUR

- EV3-G Math & Range Blocks
- EV3-G Compare & Random Blocks
- EV3-G Compare & Text Blocks
- Programming Exercise 9,10,11
- Arrays
- EV3-G Array Operations Block

LESSON FIVE

- EV3-G File Access Block
- EV3-G Bluetooth & Messaging Blocks
- Bricks Communication example
- Programming Exercises 12,13
- Memory Browser

LESSON SIX

- EV3-G Unregulated & Invert Motor Blocks
- EV3-G Keep Awake & Raw Sensor Blocks
- Programming Exercises 14,15,16
- EV3-G Comments & Stop Block

ADDITIONAL TOPICS:

- My Block
- Importing 3rd party blocks
- Firmware Updating

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