

# LabVIEW Part I Training Timeline

MVRT  
2011 – 2012 Season

## Set Up

Set up the projector and set up laptops should be set up as stated below. (10 minutes)

## Presentation

The presentation goes over basic programming for kids who have never programmed before. It starts to touch upon LabVIEW and coding in LabVIEW (20-30 minutes).

## Activity

### Purpose

To have the members familiarize themselves with LabVIEW and the basic concept of programming.

### Recommended size

No more than 3 people per laptop

### Activity

- 1) Display “hello world”
  - Create it as a constant on the block diagram
  - Display it as an indicator on the front panel
- 2) Add 2+3
- 3) Multiply  $(1+6)*5$
- 4) Multiply  $x*7$ 
  - Make x editable on the front panel
- 5) Display whether  $5.3+2.6 = 8.5$  and then whether  $5.3+2.6 = 7.9$ 
  - Create an LED light on the front panel (light on if true, light off if false)

*Challenge:* Allow user to enter a String; then check whether it is one of the names of the people in your group

- *Medium:* Use the “or” comparison
- *Hard:* Use an “if” control structure

## Clean Up

Answer any last minute questions and put everything back where it came from. (10 minutes)