

Kinematic Activities Program Requirements

To open the editable LabVIEW virtual instrument files you will need:

- Vernier LoggerPro
- Vernier LabQuest
- Vernier Force Plates
- Webcam*
- LabVIEW 2009 or later
- [LabVIEW Vision Development Module](#) (included in some site packages)**
- [Vernier LabQuest drivers for LabVIEW 2009](#)

To open the executable files without LabVIEW 2009 you will need:

- Vernier LoggerPro
- Vernier LabQuest
- Vernier Force Plates
- Webcam*
- [LabVIEW Run-Time Engine 2009](#)
- [LabVIEW Vision Development Module](#)**

Note: If you are using a 64 bit machine and want to run the executables, follow these steps.
([These instructions](#) will help you find out if your computer is a 32 or 64 bit machine.)

1. Open the directory Kinematic Activities Programs\Executables\data
2. Delete the file called **wdapi921.dll**.
3. Rename the file **wdapi921_WIN32forOS64.dll** to **wdapi921.dll**.

*If order to achieve high resolution of the plot in the COM Kinematics program, you will need to set your webcam to the highest possible frame rate. Depending on your webcam, you may need to turn off some automated features like auto white balance. A frame rate of 30 fps is sufficient. Refer to you webcam's documentation for more information on frame rate.

** The LabVIEW Vision Development Module requires a license. If your institution does not have a license for this software, you will have 30 days to evaluate it.

Please direct any issues or problems to emylott@pdx.edu.