



Welcome to Getting Started with Microchips Live Online classes!

TLS2130

Objective:

This document contains all the information you will need to start taking our Internet based live classes. All our Live Online classes are led by experienced instructors who will take you through one or more of our training classes. Please ask questions. The whole point of this training is to allow you to begin design of your project more quickly. So the better you do, the better we do. Good Luck

Tools:

In order for you to get the most from your class you will need to install the tools and training materials needed for class before class begins.

The tools needed vary from class to class but there are some that will always be needed.

For this class you will need:

MPlab V8.50 or later

MPlab C compiler for PIC24 C30 combo V3.23b or later

Proteusdemo v7.8

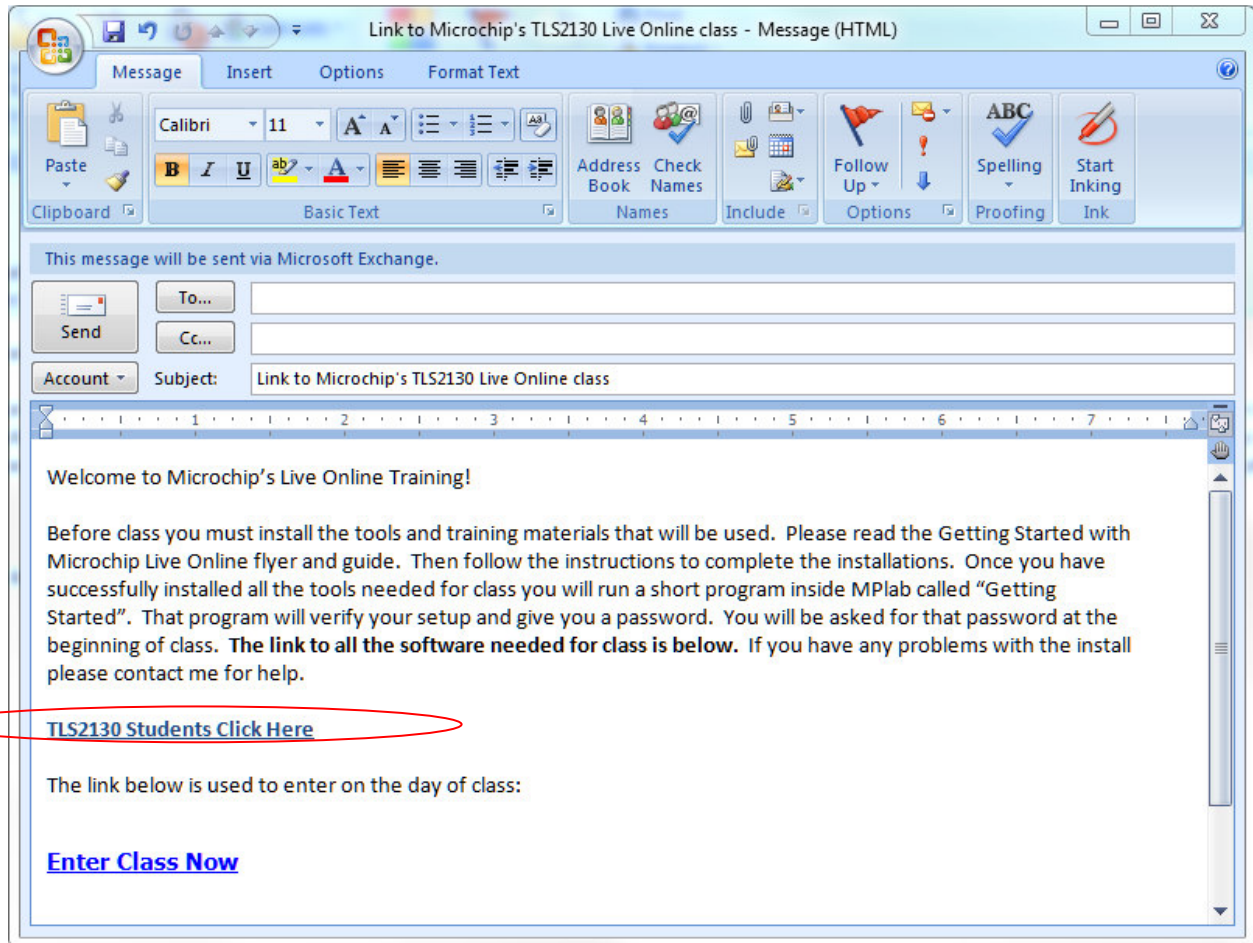
TLS2130 Student Install

Start Here:

1)

The first thing you must do is download the files needed for your class.

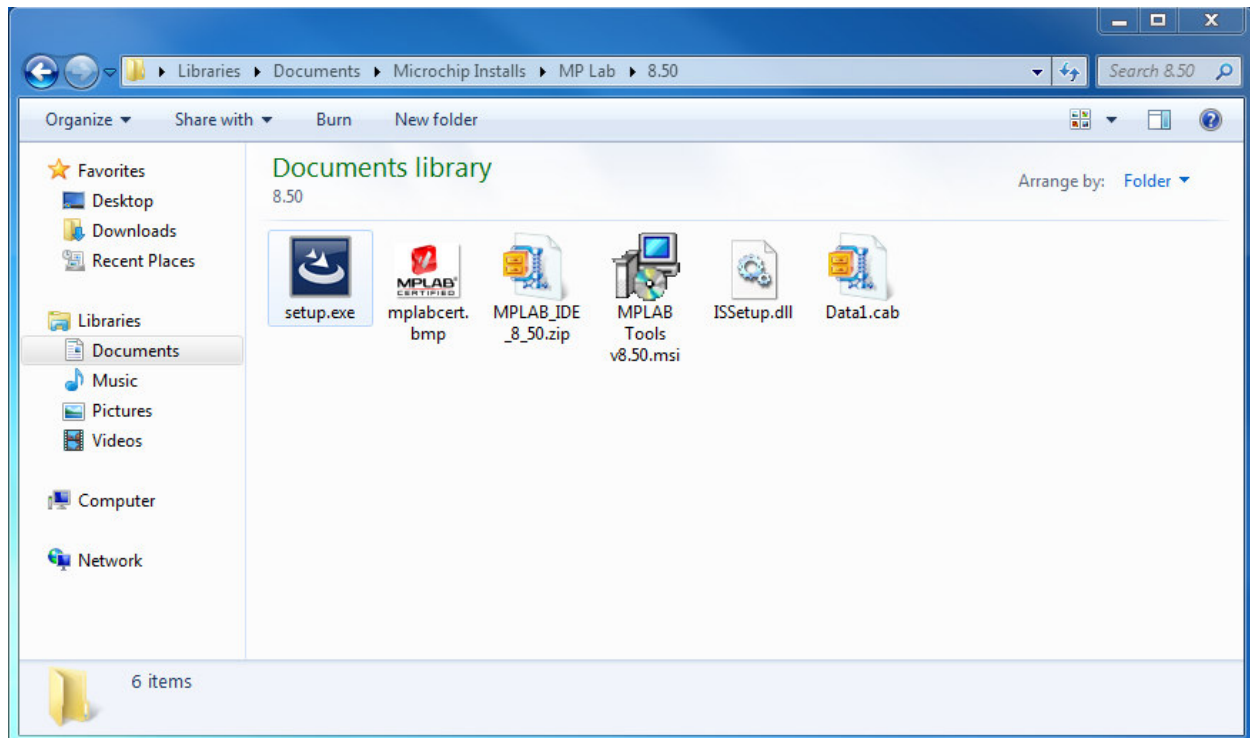
In the e-mail you received after signing up are two links. The first leads you to the software you will need to install for class. Browse to that link now.



If you cannot find the link or it is missing, contact the instructor for the class.

2)

Install MPLab if you do not already have a version installed on your computer. Be sure the version you have installed is at least as new as the version linked into the e-mail.






3)

Now install the C compiler if you do not already have it installed. Install in the default directories and be sure to check off all the radio boxes during the install.

4)

Next install Proteus. This is a board level simulator that we use for the labs. If you are using hardware for the labs you can skip this step.

	PKSAInstallVer2.2.zip	7/25/2010 10:08 PM	WinZip File	4,212 KB
	Proteusdemo.exe	10/1/2010 8:35 AM	Application	59,160 KB
	Packet River download	8/2/2010 11:22 AM	DOWNLOAD FILE	4 KB

5)

Install the class materials files. These materials are in a self extracting EXE file. By running the EXE file all the lab files, class presentation and Lab manuals will be installed to the directory:

C:\RTC\TLS2130\

You are now ready to run the Getting Started Lab. It will verify that everything is installed correctly.

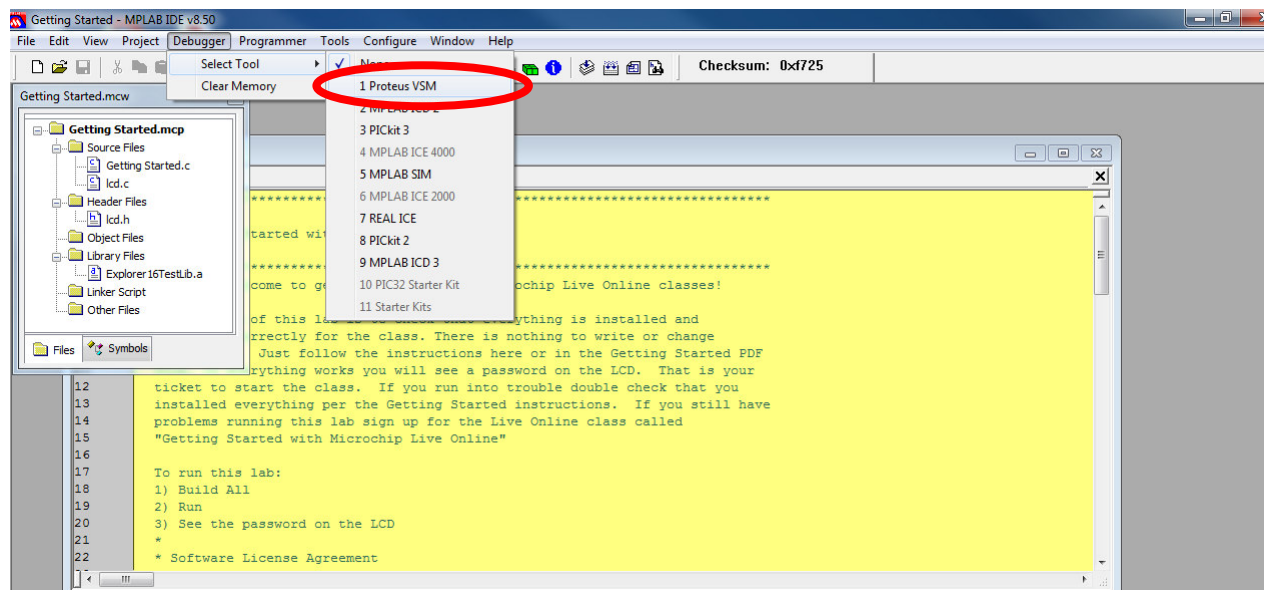
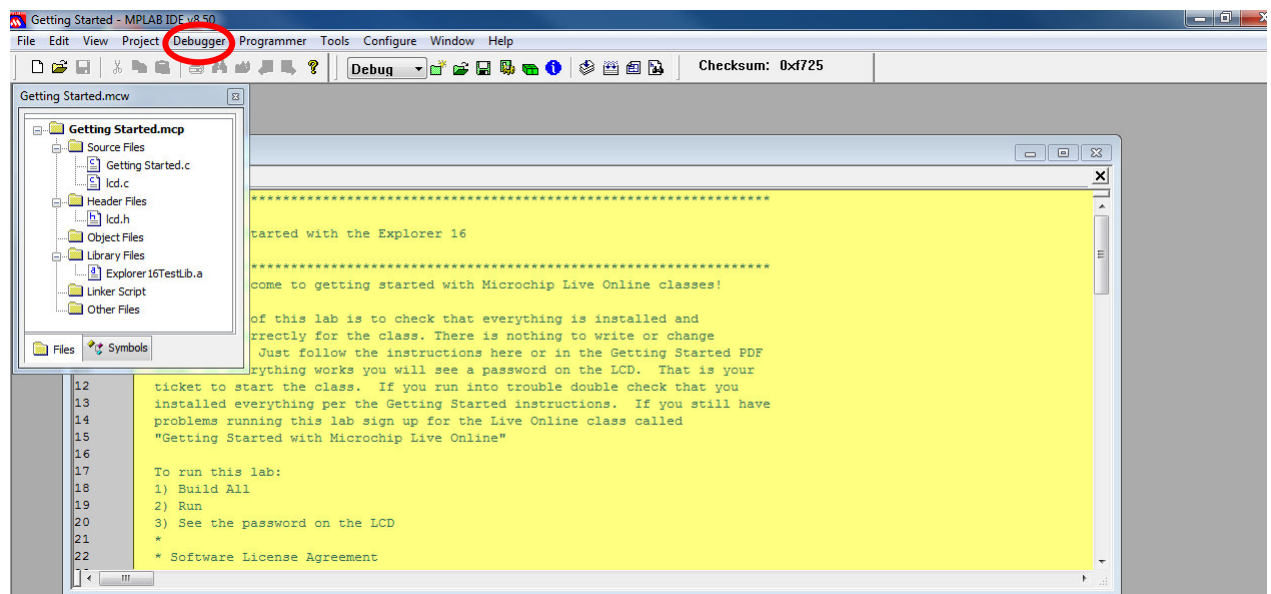
RUN the GETTING STARTED LAB

1) Browse to:

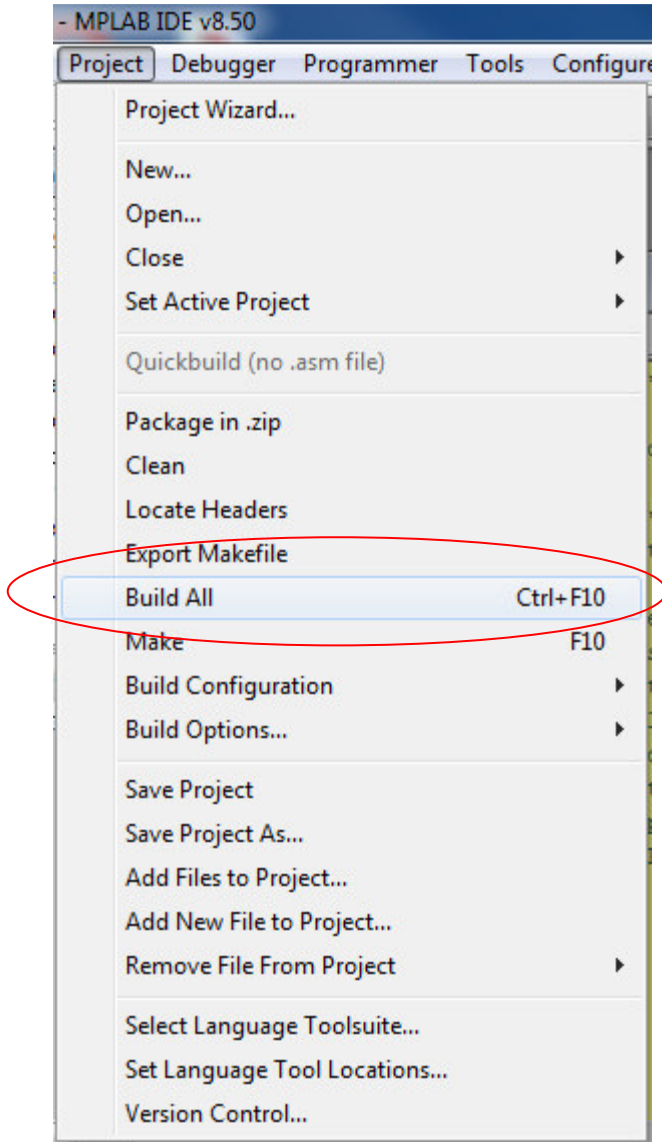
C:\RTC\TLS2130\Getting Started\

2) Double click (run) the file **Getting Started.mcw**

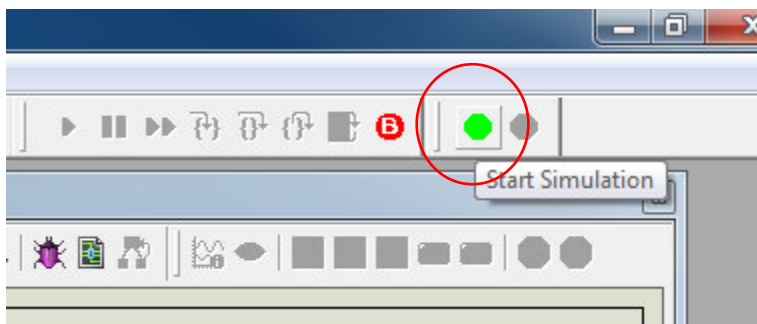
3) When MpLab opens. Look at the menu at the top of the screen and open **Debugger**. Then select **Proteus VSM** or the debugger you have installed.



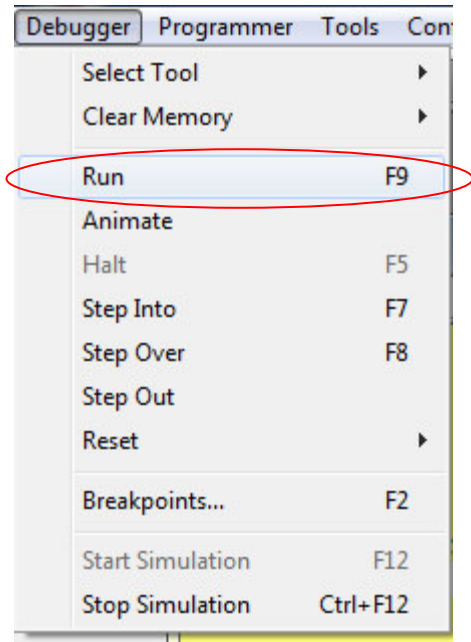
- 4) Select **Project**, and then **Build All**.



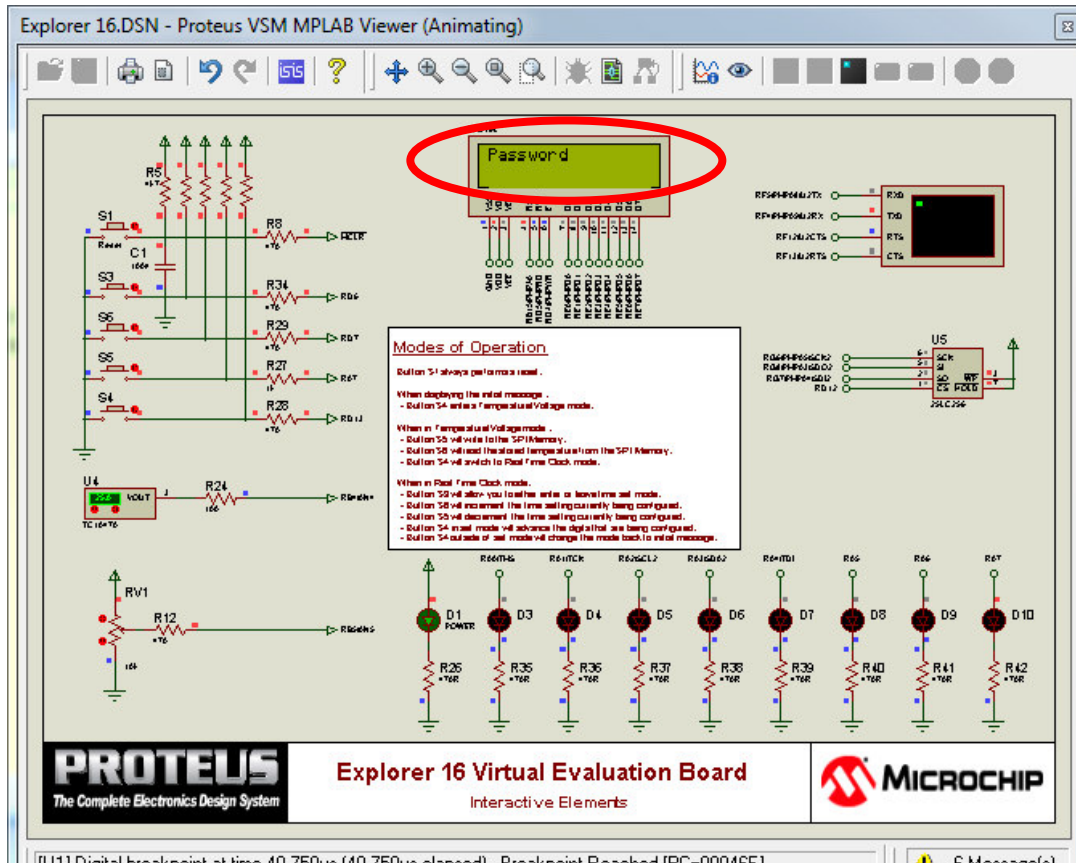
- 5) If you are using Proteus, you must run the Board simulation now. (Green button in the upper right corner). If you are not using Proteus, program your board now.



6) Now select **Debugger, Run**



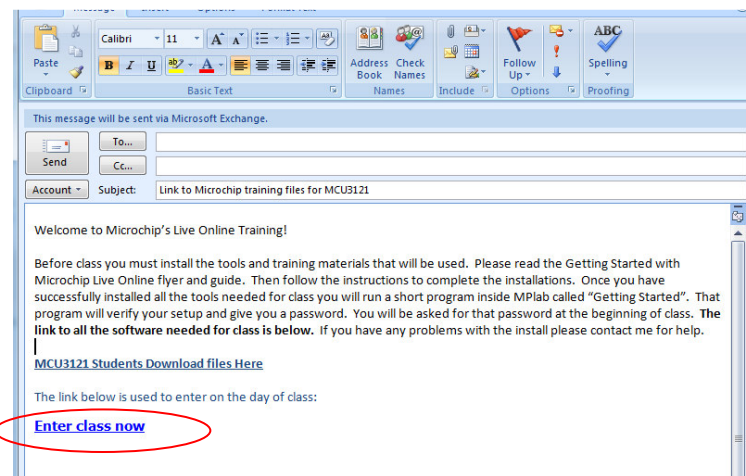
7) If everything is installed correctly you should see the password on the LCD of the board.



If you got the password for this class on the LCD your done!

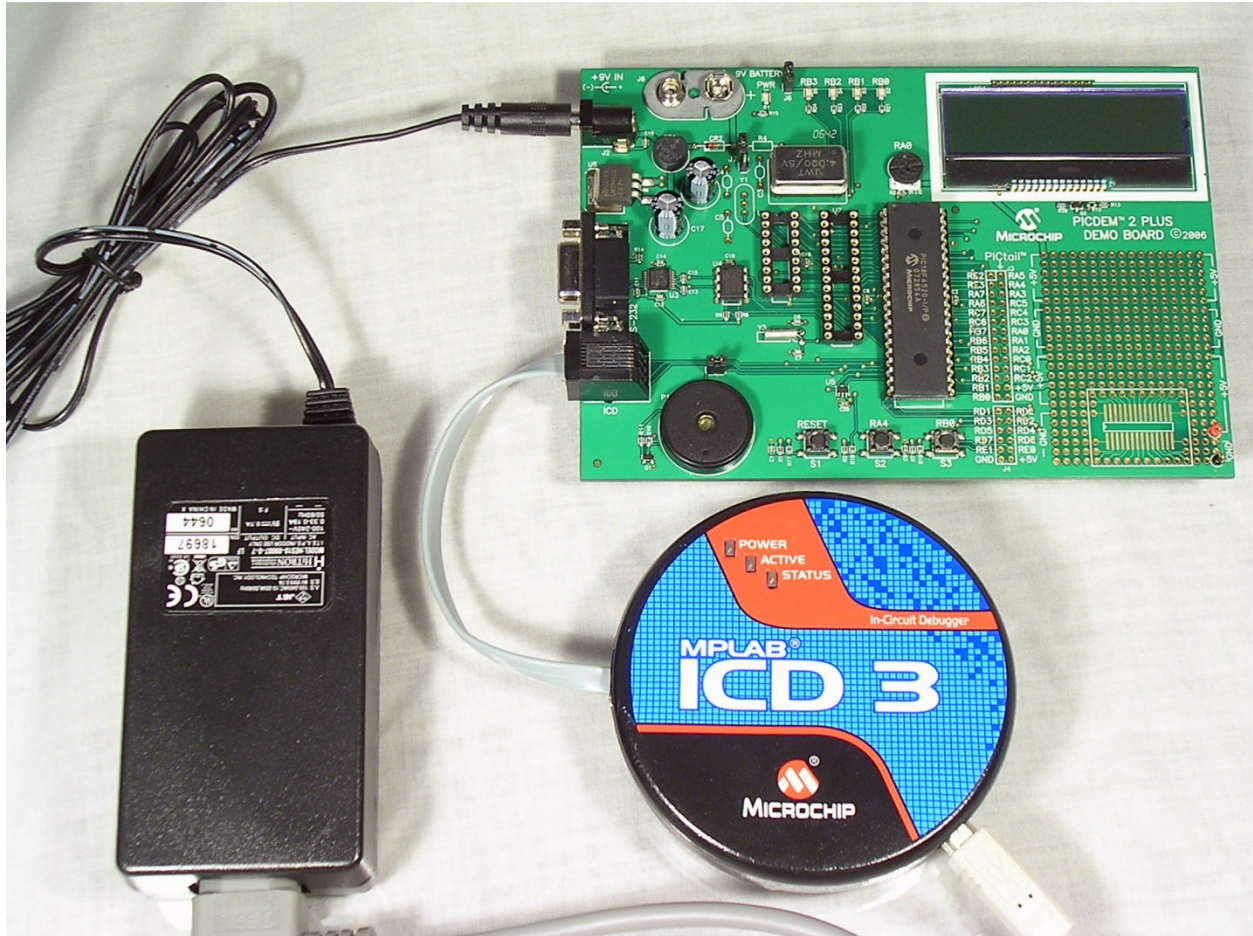
Use the [Enter Class Now](#) link in the email to start on the day of class.

See you there!



APPENDIX for using an Explorer 16 board and debugger instead of Proteus

Attach the debugger to your computer with a standard USB cable (included) If this is the first time the debugger has been plugged in, you will need to go through the standard driver install for new windows equipment.



Attach the debugger to the demo board with the short RJ12 cable.

Next plug in the 9 volt supply to the demo board.

You are now ready to run the Getting Started Lab.