**Resources: Programming in C++**

**Installing g++**

**Windows**

Use the "Windows Subsystem for Linux" selecting the "Ubuntu" option for installation. After installation, from within the **bash** prompt, follow the instructions below for Ubuntu-like Linux.

Install **Xming** in Windows for displaying graphical applications.

Inside of a bash prompt edit your **.profile** and add a line at the bottom like this:

```
export DISPLAY=:0.0
```

**Mac OS X**

Install the command line developer tools. See the first part of these instructions.

**Ubuntu-like Linux**

Use **apt-get** to install the correct packages

```
sudo apt-get update
sudo apt-get install g++ freeglut3-dev libglu1-mesa-dev libglll-mesa-dev valgrind libgtest-dev
```

**No-Install Option**

Use the computers in the Smith building. You can do this physically in the lab, or you can remotely connect to the systems to create and run your programs.