**Parent Information Night**

**Girls Coding Club**

**Meeting Time: Tuesday 6:00 PM to 8:00 PM**

**Place: Upstairs Computer Lab**

**Contact Information:**

Norm Messa

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Cell: 1.207.423.4733

Wendy Blake

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**In case of inclement weather** there will be no meeting. Be sure to check your email prior to coming to the meeting. If the meeting is canceled we will send you an email to let you know.

In the event of some sort of **emergency cancellation** (should be very rare) we will send you an email so be sure to check your email each week prior to coming to the meeting.

We will **not** be meeting during school vacations.

Meetings will consist of 3 to 4 activities that can range from an internet scavenger hunt to writing program code to some sort of physical activity or game. This year students will be learning the Python programming language. We will start by learning the basics of the language (variable and data types) followed by programming constructs such as decision making structures and repetition. Students will then learn about functions, lists, and dictionaries.

In addition to learning about coding via the Python development environment, it is our intention to give the girls some exposure to hardware utilizing Arduino development boards and the BBC Micro:bit. Additionally we will be using Sonic Pi to introduce the girls to computer generated music and Processing to demonstrate computer generated art.

The year will culminate in the students creating some sort of project that might be software or hardware or both.

We will have laptops available for you to use. The laptops are running Windows XP, Windows 7, or Windows 10. If you prefer to use your own laptop you will need to install Python version 3.2 or later. If you do not know how to do this, we can help you but you will need to have Administrative permissions on the laptop. Some students use Mac computers. This should not be a problem as Python, Processing, Sonic Pi, Micro:Bit (Mu), and Arduino software all run on Mac OSX.

If you have any questions that are not covered in this handout, please do not hesitate to contact us.