**TYPES OF WIRES**

In this classroom we utilize 3 different types of wires to build our circuits on the breadboards. The reason we use the three different types is that you can connect the wires together to make longer wires. Also, some of the components require different types of wires for the connection in the circuit. The wires are called:

1. **Male to Male wires (M-M)**

A picture containing stripe, striped

Description automatically generated

Notice that the wires have metal pins sticking out of each end.

1. **Female to Male wires (F-M)**

A picture containing pattern, stripe, striped, art

Description automatically generated

Notice that one end has the metal pins sticking out and the other end is empty. This is so you can attach one end into the other to create a longer wire. You can attach a M-M wire to a F-M wire and extend the wires.

1. **Female to Female wires (F-F)**

A picture containing stripe

Description automatically generated

Notice that this wire has no metal pins at either end. The ends are open and will accept a Male wire to be connected to it.