Arduino, Microcontrollers and Electronics Links

www.adafruit.com
The #1 resource for electronics enthusiasts. Their shop is full of useful products for people interested in microcontrollers and their tutorials and learning resources are phenomenal.

www.aliexpress.com
This is kind of like a Chinese version of amazon. You can get some extraordinary deals on electronics but beware of fakes, knock-offs and low quality components. This is my go-to source for cheap Arduino's (e.g. this). If you do end up buying arduino's from here make sure you read up on the CH340G driver issue.

www.amazon.com
Amazon is a great source for raw materials, hardware, fasteners and more. Most of the tiny screws you used in your kits came from amazon.

Other Useful Electronics Links

www.sparkfun.com
Very similar to adafruit. They have slightly different parts in stock so it's often worth checking both.

www.pololu.com
A lot of the components in your kit came from this company. Pololu is similar to sparkfun and adafruit but specializes more in robotics and less in general electronics. Don't expect much from their documentation or Arduino libraries.

General Electronics Components

www.digikey.com
www.newark.com
www.jameco.com
www.mouser.com
Together these four websites probably stock every electronics components ever made (digikey lists over 700,000 different types of resistors alone). Once you get used to navigating these you can find just about anything you need for good prices. Learning to use these sites can be a little overwhelming at first.

Custom Fabrication

www.ponoko.com
www.shapeways.com
These websites offer custom 3D printing and laser cutting services. Think of them as larger versions of the Rapid Prototyping Lab that we visited (except that you have to pay for your parts). The prices vary considerably depending on the material and size of your part ($0.20/cc for most plastics up to $1750/cc for platinum metal). They typically charge you for the amount of material your part uses plus a per part handling/setup fee. Not as good as having access to a laser cutter or 3D printer, but better than nothing.