

# BOOK 2 | SEWING & MICROCONTROLLERS

## SUPPLY LIST

### Electronic Components

\* Components needed for each student/participant

|                                   | <i>Sparkfun Part number*</i>   | <i>Sewing 101</i>          | <i>Monster</i>             | <i>LilyTiny</i>         | <i>Color Match</i> | <i>Blink</i> | <i>TTL</i> |
|-----------------------------------|--|----------------------------|----------------------------|-------------------------|--------------------|--------------|------------|
| LilyPad non-switch battery holder | DEV-13883  | 1 (use for monster)        |                            | 1 (use for color match) |                    |              | 2          |
| Lilypad LEDs                      | Blue - DEV-14012,<br>Green DEV-14011,<br>Pink DEV-14010,<br>Red DEV-14013,<br>White DEV-13902,<br>Yellow DEV-14014 | 1                          | 2                          |                         |                    |              | 3          |
| Alligator test leads (10 pack)    | PRT-12978  | 1 (use for all activities) | 1                          | 1                       | 1                  | 1            | 1          |
| Conductive thread bobbin          | DEV-10867 (30 ft)<br>DEV-13814 (12 m.)   |                            | 1 (use for all activities) | 1                       | 1                  | 1            | 1          |
| CR 2032 battery                   | DEV-10899  | 1                          | 1                          | 1                       | 2                  | 2            | 7          |
| Tri-colored LED                   | DEV-08467  |                            |                            |                         | 1                  |              | 1          |
| LilyTiny                          | DEV-10899  |                            |                            | 1                       |                    |              | 1          |

\*Part number subject to change

### General Supplies

|   | <i>Sewing 101</i> | <i>Monster</i> | <i>LilyTiny</i> | <i>Color Match</i> | <i>Blink</i> |
|---|-------------------|----------------|-----------------|--------------------|--------------|
| Large sewing needle                       | x                 | x              | x               | x                  | x            |
| Embroidery floss                          | x                 | x              | x               | x                  | x            |
| 6x6 or larger aida fabric                 | x                 |                |                 |                    |              |
| Scissors                                  | x                 |                | x               | x                  | x            |
| Fabric marking pencils                    | x                 | x              | x               | x                  | x            |
| Fabric glue                               |                   | x              |                 | x                  | x            |
| Other art supplies                        |                   |                |                 | x                  | x            |
| Batting or polyester fiberfill            |                   | x              |                 |                    |              |
| Felt                                      |                   | x              |                 | x                  | x            |
| Silk flower                               |                   |                |                 | x                  |              |
| Conductive materials for making switches* |                   | x              |                 | x                  | x            |

\* May include: paper clips, small metal items, jewelry making attachments, etc