

| |  | Name | Duration | Start | Finish | P... | R... | F | S |
|----|---|--|--------------------|-------------------------|-------------------------|------|------|---|---|
| 1 | | ThunderBoard Capabilities and Functionality | 30 days | 11/1/21 8:00 AM | 12/10/21 5:00 PM | | | | |
| 2 |  | Complete ThunderBoard Tutorials | 30 days | 11/1/21 8:00 AM | 12/10/21 5:00 PM | | | | |
| 3 |  | Learn How to Program ThunderBoard | 30 days | 11/1/21 8:00 AM | 12/10/21 5:00 PM | | | | |
| 4 |  | Review Data Sheets Specifications | 30 days | 11/1/21 8:00 AM | 12/10/21 5:00 PM | | | | |
| 5 |  | Research I2C and SPI | 30 days | 11/1/21 8:00 AM | 12/10/21 5:00 PM | | | | |
| 6 |  | Research Bluetooth Low Energy (BLE) | 30 days | 11/1/21 8:00 AM | 12/10/21 5:00 PM | | | | |
| 8 | | Integration of Digital Sensors | 33 days | 12/13/21 9:00 AM | 1/27/22 9:00 AM | | | | |
| 9 |  | Find Data Sheets / Specifications | 7 days | 12/13/21 9:00 AM | 12/22/21 9:00 AM | | | | |
| 10 |  | BreadBoard Work - Phase I | 14 days | 12/20/21 9:00 AM | 1/7/22 9:00 AM | | | | |
| 11 |  | Program ThunderBoard to use Sensors | 14 days | 1/7/22 9:00 AM | 1/27/22 9:00 AM | | | | |
| 13 |  | Integration of User Interface | 22.875 days | 1/31/22 9:00 AM | 3/2/22 5:00 PM | | | | |
| 14 |  | BreadBoard Work - Phase II | 7 days | 1/31/22 9:00 AM | 2/9/22 9:00 AM | | | | |
| 15 |  | Lights / Buttons / Audio | 7 days | 1/31/22 9:00 AM | 2/9/22 9:00 AM | | | | |
| 16 |  | Program ThunderBoard for User Feedback | 15 days | 2/10/22 8:00 AM | 3/2/22 5:00 PM | | | | |
| 18 | | Prototype Design | 32 days | 1/31/22 9:00 AM | 3/16/22 9:00 AM | | | | |
| 19 |  | Inhaler Specifications | 7 days | 1/31/22 9:00 AM | 2/9/22 9:00 AM | | | | |
| 20 |  | ThunderBoard / Sensors Dimensions | 7 days | 2/7/22 9:00 AM | 2/16/22 9:00 AM | | | | |
| 21 |  | 3D Printing | 7 days | 2/21/22 9:00 AM | 3/2/22 9:00 AM | | | | |
| 22 |  | Assembly | 7 days | 3/7/22 9:00 AM | 3/16/22 9:00 AM | | | | |
| 24 | | Testing | 61.875 days | 1/10/22 9:00 AM | 4/5/22 5:00 PM | | | | |
| 25 |  | Test Sensors | 20 days | 1/10/22 9:00 AM | 2/7/22 9:00 AM | | | | |
| 26 |  | Test User Interface | 20 days | 3/1/22 8:00 AM | 3/28/22 5:00 PM | | | | |
| 27 |  | Test Smart Phone App | 40 days | 1/31/22 9:00 AM | 3/28/22 9:00 AM | | | | |
| 28 |  | Prototype Testing | 14 days | 3/17/22 7:00 AM | 4/5/22 5:00 PM | | | | |
| 30 |  | Research How to Create Smart Phone App | 46 days | 11/1/21 8:00 AM | 1/3/22 5:00 PM | | | | |
| 31 |  | Create Basic Smart Phone App | 40 days | 1/3/22 9:00 AM | 2/28/22 9:00 AM | | | | |
| 32 |  | BLE Integration with Smart Phone App | 35 days | 1/10/22 9:00 AM | 2/28/22 9:00 AM | | | | |



