**Power Management**

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| **#** | **Description** | **Due Date** |
| 1 | Powering a Project  <https://learn.sparkfun.com/tutorials/how-to-power-a-project>  Battery Chemistries  <https://youtu.be/saxYilLJ7yw>  Battery Capacity   * <https://youtu.be/R8hTQXqURB4> * <https://youtu.be/cxkVxi9P0EA> * <https://hackaday.com/2017/12/22/coin-cells-the-mythical-milliamp-hour/>   **Key Terms with battery management**  Battery Charging  Battery Balancing  Battery Protection  Under-voltage protection  Overvoltage protection  Short circuit protection  Charging LiPo Batteries  <https://youtu.be/A6mKd5_-abk>  NiMH and NiCd Batteries  <https://youtu.be/_ROhH9EkhtU>  Linear Regulators  <https://youtu.be/GSzVs7_aW-Y>  Adjustable Linear Regulators  <https://youtu.be/IjJWWGPjc-w>  Buck Converters (DC to DC converter / Switch Mode Power Supply)  <https://youtu.be/CEhBN5_fO5o>  Boost Converter (DC to DC converter / Switch Mode Power Supply)  <https://youtu.be/wJU7AJgERG8>  Linear Regulators vs. Switch Mode Power Supplies  <https://youtu.be/cM7t1Mpu7s4> |  |