

# JC Physics Topics

**Name:**

| <b>Topics</b>                             | <b>School Went Through</b> | <b>Think you need more practice</b> | <b>Confident</b> |
|---|----------------------------|-------------------------------------|------------------|
| <b><u>Newtonian Mechanics</u></b>         |                            |                                     |                  |
| Measurements and Uncertainty              |                            |                                     |                  |
| Kinematics                                |                            |                                     |                  |
| Forces                                    |                            |                                     |                  |
| Dynamics                                  |                            |                                     |                  |
| Work, Energy, Power                       |                            |                                     |                  |
| Circular Motion **                        |                            |                                     |                  |
| Gravitational Field **                    |                            |                                     |                  |
| <b><u>Thermal Physics</u></b>             |                            |                                     |                  |
| Ideal Gas **                              |                            |                                     |                  |
| Thermal Physics **                        |                            |                                     |                  |
| <b><u>Oscillations &amp; Waves</u></b>    |                            |                                     |                  |
| Oscillations **                           |                            |                                     |                  |
| Wave Motion                               |                            |                                     |                  |
| Superposition **                          |                            |                                     |                  |
| <b><u>Electricity &amp; Magnetism</u></b> |                            |                                     |                  |
| Electric field                            |                            |                                     |                  |
| Current of Electricity                    |                            |                                     |                  |
| Direct Current **                         |                            |                                     |                  |
| Alternating Current **                    |                            |                                     |                  |
| Electromagnetism                          |                            |                                     |                  |
| Electromagnetic Induction **              |                            |                                     |                  |
| <b><u>Modern Physics</u></b>              |                            |                                     |                  |
| Quantum Physics **                        |                            |                                     |                  |
| Lasers and Semiconductors**               |                            |                                     |                  |
| Nuclear Physics & Radioactivity **        |                            |                                     |                  |