Edexcel iGCSE Physics Checklist

Section F21: Magnetism and Electromagnetism

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| ***I can***  | ☺ | 😐 | ☹ |
| **understand that magnets repel and attract other magnets and attract magnetic substances**  |  |  |  |
| **describe the properties of magnetically hard and soft materials** |  |  |  |
| understand the term ‘magnetic field line’ |  |  |  |
| **understand that magnetism is induced in some materials when they are placed in a magnetic field** |  |  |  |
| describe experiments to investigate the magnetic field pattern for a permanent bar magnet and that between two bar magnets  |  |  |  |
| describe how to use two permanent magnets to produce a uniform magnetic field pattern. |  |  |  |
| understand that an electric current in a conductor produces a magnetic field round it  |  |  |  |
| **describe the construction of electromagnets** |  |  |  |
| **sketch and recognise magnetic field patterns for a straight wire, a flat circular coil and a solenoid when each is carrying a current** |  |  |  |
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