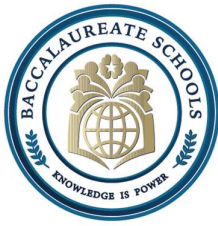


Please refer to your Physics book pages 155 – 212 for the shown material in the table below

Topic	Details
Coulomb's Law	<ul style="list-style-type: none">- Electric Charge Definition- Charge of Electrons, protons and neutrons.- Electric Force (Coulomb's Law)- Electric Force between two-point charges- Electric Force in a three-point charge problem- Charge objects by Contact- Charge objects by Induction
Electric Field	<ul style="list-style-type: none">- What is a Field- Electric Field Definition and Type (Vector or Scalar)- Calculate Electric Field of a point charge.- Electric field at a point due to two charges- Representing Electric Fields (Field Lines)- Conductors in electric fields- Uniform Electric field- Parallel plates Capacitors
Electric Current	<ul style="list-style-type: none">- Conductors and Insulators- Electric Field Along a wire- Electric Current- Conductivity and Resistivity- Current and Resistivity (Ohm's Law)- Series and Parallel Resistors Combinations- Kirchhoff's Laws (KCL and KVL)- Apply Ohm's and Kirchhoff's laws to simple circuits.
Magnetic Forces and Fields	<ul style="list-style-type: none">- Magnetism- Magnetic Poles- Magnetic Force



	<ul style="list-style-type: none">- Magnetic Materials- Magnetizing Ferromagnetic- Magnetic Fields- Modeling single and multiple magnets- Magnetic Force on a moving charge- Charged particles in magnetic fields
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- **A review sheet for Ohm's law and Kirchhoff's laws will be available on LMS as it's not in your book.**
- Priority is to refer to Your NOTES and Worksheets and Quizzes.
- Please bring your own Calculator to the exam.
- The classes between 7th and 11th of November will be dedicated to any questions or explanations and review regarding the final material.