It's electrifying

Level 3 outcomes checklist

Teacher:	Class:

Level 3 unit outcomes **c:** conceptual outcomes **i:** investigating outcomes **Student**	**c** Describe a circuit in terms of components that form a continuous path for the flow of electrons.	**c** Describe how energy is stored and transferred within an electric circuit.	**c** Explain the characteristics of conductors and insulators in terms of categories of materials.	**i** Formulate a question for investigation and make a prediction.	**i** Plan for the investigation showing awareness of the need for fair testing.	**i** Summarise and explain observations made during an investigation.

Key: *B = Beginning; D = Developing; A = Achieving*

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Level 4 outcomes checklist

Teacher:	Class:

Level 4 unit outcomes **c:** conceptual outcomes **i:** investigating outcomes **Student**	**c** Explain energy transfer within a circuit in terms of a flow of electrons.	**c** Explain that electrical energy is changed into other forms of energy in a circuit and is not used up—that is, energy is transformed and not destroyed.	**c** Explain differences between conductors and insulators in terms of electron flow through these materials.	**i** Change one factor at a time when modifying circuits to test predictions about possible conductors and insulators and test sufficient samples to make reliable conclusions.	**i** Formulate generalisations based on observations made during an investigation.	**i** Make suggestions for improving the investigation.

Key: *B = Beginning; D = Developing; A = Achieving*