7J Current Electricity

Draw a ring around a number of stars for each statement. If you are very confident about a statement, draw your ring around all the stars. If you do not know anything about a statement do not draw a ring.

| Topic | At the end of the unit: |  |  |
| --- | --- | --- | --- |
| 7Ja | | | |
|  | Measure the current in part of a circuit using an ammeter. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | State what is meant by current. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Describe the effect of adding more bulbs to a series circuit. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Describe what the current is like at different points in a series circuit. | UK NC, iLS, CEE | \* \* \* \* \* |
| 7Jb Working Scientifically | | | |
|  | Identify physical and abstract models. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Evaluate simple circuit models. | UK NC, iLS, CEE | \* \* \* \* \* |
| 7Jb | | | |
|  | Describe how to make a simple circuit. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Model circuits using circuit diagrams and standard symbols. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Construct simple electrical circuits. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Describe the strengths and weaknesses of some of the models used to explain electricity. | UK NC, iLS, CEE | \* \* \* \* \* |
| 7Jc | | | |
|  | Describe how current divides between the branches in a parallel circuit. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Compare series and parallel circuits. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Predict what the currents will be in different parts of series and parallel circuits. | UK NC, iLS, CEE | \* \* \* \* \* |
| 7Jd | | | |
|  | State what is meant by voltage and describe how it is measured. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | State what is meant by resistance. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Describe how resistance and current are related. | UK NC, iLS | \* \* \* \* \* |
|  | Use models to help to explain the idea of voltage and how it is divided between components in series and parallel circuits. | UK NC, iLS, CEE | \* \* \* \* \* |
| 7Je | | | |
|  | Describe some uses and dangers of electricity. | UK NC, iLS, CEE | \* \* \* \* \* |
|  | Recall why fuses and circuit breakers are used. | UK NC, iLS | \* \* \* \* \* |
|  | Explain how electricity can be used safely at home and at school. | UK NC, iLS, CEE | \* \* \* \* \* |