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| Know  1  Individual skills | | |  | Integration | | Apply  2  Understand principles | |
| Skills | | | | Strategy | |  | |
| K2  K1 | Identify an observation that could be recorded or measured over time  Write a question in the format “How does...change over time?” | K8 | | | Write an observation enquiry question | A1 | Explain which type of enquiry is best for answering a given scientific question  Explain whether a given question can be investigated scientifically |
|  |
| A2 |
|  |
|  |  |  | | |  |  |  |
| K5  K4  K3 | Identify a dependent variable  Identify an independent variable  Write a question linking variables in the form "How does...affect...? | K9 | | | Write a fair test enquiry question | A3 |  |
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| A4 |  |
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|  | |  | | | |  |  |
| K7  K6 | Identify two variables which may show a correlation  Write a question in the form "Is there a correlation between ..... and .....? | K10 | | | Write a pattern seeking enquiry question |  |  |
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| Key words | |  | | |  | |  |
| K13  K12  K11 | **Scientific** enquiries Different ways to investigate including observation over time, fair test and pattern seeking  **Variable** A factor that can be changed, measured and controlled  **Independent** variable What you change in an investigation to see how it affects the dependentvariable | K15  K14 | | | **Dependent** variable What you measure or observe in an investigation  **Correlation** A relationship between variables where one increases or decreases as the other increases | |