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| --- | --- | --- | --- | --- | --- | --- | --- |
| Know  1  Individual skills | | |  | Integration | | Apply  2  Understand principles | |
| Skills | | | | Strategy | |  | |
| **Comment on whether…** | | | | |  |  |  |
| K3  K2  K1 | the authors of the research are qualified scientists  the research was published in a peer reviewed journal  the research agrees with current scientific thinking | K9 | | | Judge the reliability of the source | A2  A1 | Explain possible causes of bias from an experimenter or journalist  Explain how peer review makes a finding more believable |
|  |  |  | | |  |  |  |
| K5  K4 | the researcher or funder might benefit from reporting the finding  the author might have a vested interest | K10 | | | Check for bias | A3 |  |
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| K7  K8  K6 | the experimenter collected enough data  they gave a scientific explanation of the findings  the findings were backed up by other research | K11 | | | Evaluate the evidence for the claim | A4 |  |
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| Key words | | K14  K15 | | |  |  |  |
| K12  K13 | **Peer reviewed** The checking of research by other scientists  **Bias** When an experimenter affects the outcome, or when a journalist favours a point of view | **Funder** Organisation or person that pays for scientific research  **Journal** Magazine which publishes science research for others to read |  |  |
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