

Science Sense is...

- Being able to distinguish science from non-science.
- The ability to recognize how people collect and process facts into knowledge.
- The ability to recognize how a collection of facts becomes knowledge.
- Being able to question and evaluate information that is presented as scientific.
- Being an informed consumer, evaluator, and practitioner of science.

Science Sense	Skills included
Number Sense	Having a sense of scale Making order of magnitude estimates
Data Sense	Understanding and analyzing data Interpreting graphs Finding relationships and trends Making measurements Measuring uncertainty Recognizing bias Using proxies Doing statistical analyses
Knowledge Sense	Asking a scientific question Using proper experimental design Using mathematical models Choosing a research question Communicating your results to scientists and the public Understanding how science makes progress Thinking critically Being reasonably skeptical Applying scientific knowledge Understanding when science can inform ethical decisions Distinguishing between science and pseudoscience