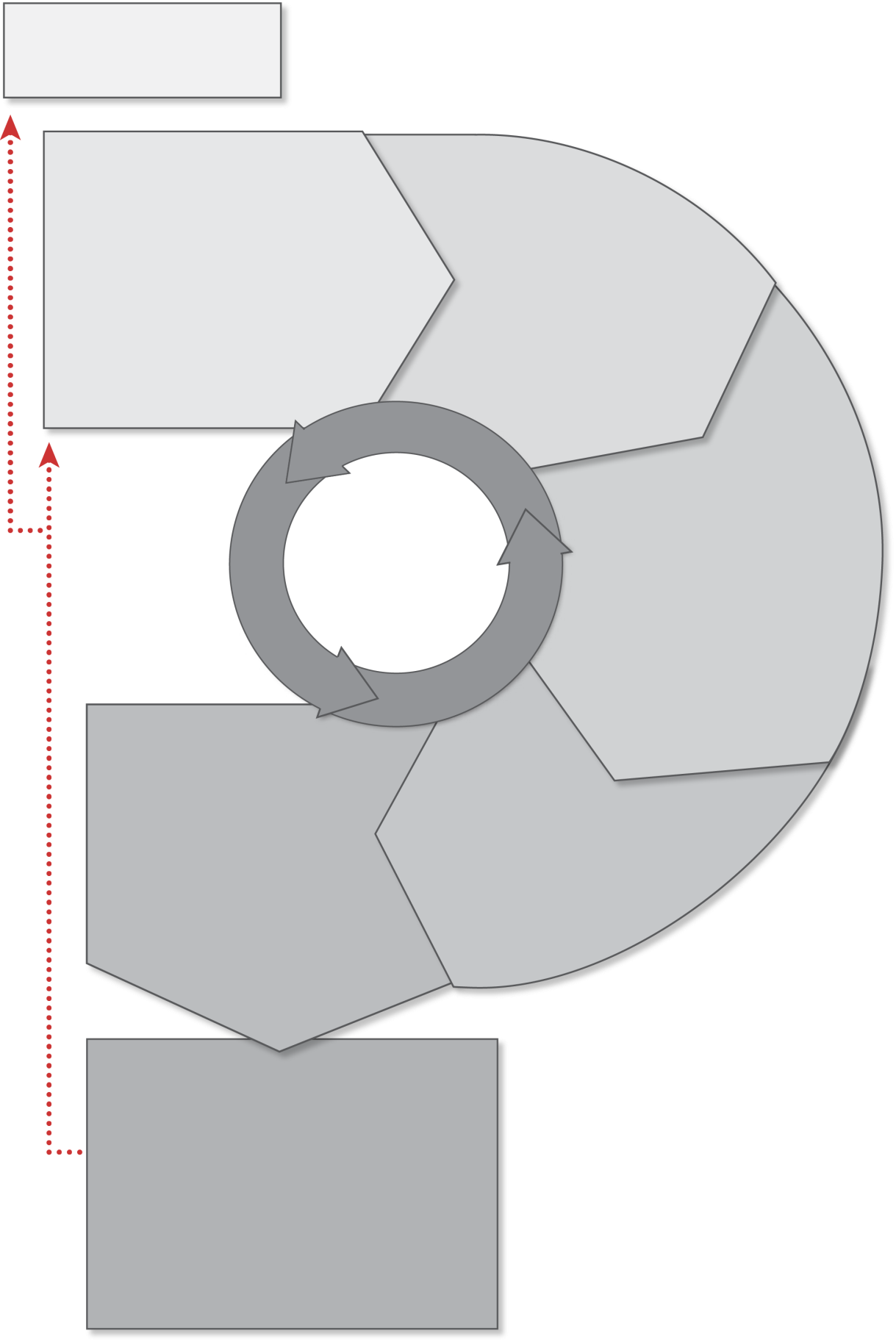
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|  | Australian Curriculum Year 3 Science sample assessment ׀ Assessment resource  Cool it! |

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### Scientific inquiry process: Years 3 and 4



**Question**

* conduct initial research and/or trials
* apply knowledge and understanding
* identify and pose questions and make predictions

\* In Science, a primary source refers to information created by the person or persons directly involved in a study or observing an event.

A secondary source refers to information that has been compiled from primary sources by a person or persons not directly involved in the original study or event, e.g. texts found on websites, magazines or textbooks.

**Reflect**

Review the question, prediction, research method and/or the outcomes.

* Has a solution been found?
* Do new questions arise?
* Where to from here?
* What have I learnt that can inform future learning?

The answer to these questions may mean it is necessary to conduct the inquiry again.

**Communicate**

* develop reasoned arguments and /or explanations
* use scientific language and representations

**Investigate**

* plan and conduct practical and/or research-based investigations
* collect and organise data and information from primary and/or secondary sources\*

**Evaluate/Justify**

* provide reasons and/or evidence to support statements about findings

**Analyse/Interpret**

* analyse observations, data and information to identify patterns and trends
* describe connections between observations, data and information
* make meaning of observations, data and information

**New learning**

**Scientific   
inquiry**