



Making Predictions

6

Develops predictions not based on results of a scientific enquiry but using own ideas and subject knowledge.

Use evidence to support predictions.

Gathers evidence through practical science to support predictions.

Use test result to make predictions to set up further comparative and fair tests.

5

Use subject knowledge, observations, or previous learning to make predictions.

Can add further detail and explanations for their predictions. They review their predictions to state whether their predictions were correct.

Can base predictions on previous scientific enquiry.

Can identify a range of variables which could affect their investigation.

4

Use subject knowledge or research to make predictions.

Predictions are detailed and explains their thinking, they link to previous tests and use scientific language.

Raise further predictions from results based on patterns.

Make predictions for new values.

3

Uses evidence and subject knowledge to refute statements.

Make predictions from questions posed.

Add detail to their predictions giving reasons linked to own scientific knowledge.

Makes further predictions from what is observed or tested.

2

Draws on knowledge from observations to make a prediction.

Can begin to test predictions and later answer questions (predictions can be a guess).

Ask questions about what might happen in the future.

1

Can make basic predictions over things they can see or their own ideas.

Can use some scientific vocabulary.

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Shows curiosity about objects, events and people.

Question why things happen.

Can make simple predictions based on comparisons e.g. float or sink?