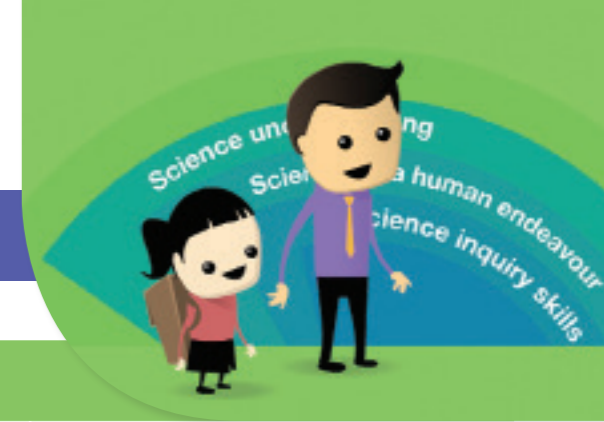


# The BitL tool – science years F–2



## Science: Years F–2

<b>What do you notice?</b> Making observations about yourself and your local environment using your senses.	<b>What do you think?</b> Consider questions and seek answers relating to the observations of yourself and the world around you.	<b>What do you think if?</b> Make predictions about familiar objects and events.	<b>How can you explore?</b> Investigate your questions and explore the things and places around us.	<b>How can you share?</b> Share observations with others by oral and written language, role play, drawings as representations of ideas and valuing counting to gather information.  Compare observations with predictions.	<b>So what?</b> People use science in their daily lives.
<b>Pedagogical questions:</b> <ul style="list-style-type: none"> <li>• What do you see/hear/smell/taste/feel?</li> <li>• What does it do?</li> <li>• What is happening?</li> <li>• What is interesting?</li> </ul>	<b>Pedagogical questions:</b> <ul style="list-style-type: none"> <li>• What is the same?</li> <li>• What is different?</li> <li>• How does it change?</li> <li>• Is there anything unusual?</li> <li>• What questions do you have?</li> <li>• What else is it like?</li> </ul>	<b>Pedagogical questions:</b> <ul style="list-style-type: none"> <li>• What if?</li> <li>• What might happen if?</li> <li>• What if I changed this?</li> <li>• What might happen if... was different?</li> <li>• Somebody told me that if I did (this) then (that) would happen. What do you think about that idea?</li> <li>• Scientists currently think... so how does this relate to what you think?</li> </ul>	<b>Pedagogical questions:</b> <ul style="list-style-type: none"> <li>• How are you going to find out (investigate)?</li> <li>• What ideas do you have?</li> <li>• What could you try?</li> <li>• Which is your best idea?</li> <li>• How could you test your idea?</li> <li>• What might a scientist do to find out about that?</li> </ul>	<b>Pedagogical questions:</b> <ul style="list-style-type: none"> <li>• How could you share what you saw/heard/tasted/felt/smelt?</li> <li>• How could you draw that?</li> <li>• How can you show what you counted?</li> <li>• Did others think the same as you? How?</li> <li>• How did they think differently?</li> <li>• Was this the same as your prediction? How was it different?</li> </ul>	<b>Pedagogical questions:</b> <ul style="list-style-type: none"> <li>• Where might you use this?</li> <li>• Who might be interested in this? Why?</li> </ul>

### Example: Foundation – *Earth and Space Sciences*

*Daily and seasonal changes in our environment, including the weather, affect everyday life.*

What do you see in the sky? How does it feel outside today? What is interesting about the sky?	What questions do you have about the sky? What is the same/different about the sky in the morning compared to the afternoon? What is happening to the sky during the day? Is there anything unusual about the sky?	What would your skin feel like if the sun is hidden by clouds? What might happen to how your skin feels if the clouds move? How might that change what you do? Some people say the sun makes us hot. What do you think? When is it different?	How are you going to find out what it feels like when the sun is hidden by the clouds? What are your ideas? Which is your best idea? How could you test your idea?	How could you record (count/draw) your observations of the sky and how your skin feels? Who saw something different in the sky? What did they see? Who feels differently? Was the way your skin felt, the same/different to what you predicted? How?	When do we need to know about the weather? Why? How do you look after your pet when it's hot? Raining?
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