



## Science Learning Matrix

### Curriculum Level 6

#### Science Whakataukī:

*Mā te whakaaro nui e hanga te whare;  
mā te mātauranga e whakaū*

*Big Ideas create the house;  
knowledge maintains it.*

Big Ideas			
Science knowledge is contested and refined over time	Science uses different inquiry approaches to develop understanding	Science uses subject-specific literacy to communicate knowledge	Science based information can be used in decision making and action
Significant Learning			
At Curriculum Level 6, ākonga will...			
<ul style="list-style-type: none"> <li>engage with the iterative process of science investigation through innovation, problem solving, inquiry, collaboration, and evaluation</li> <li>recognise how different approaches can be used in science investigations</li> <li>consider mātauranga Māori alongside science in contexts that relate to Aotearoa New Zealand</li> <li>consider how different perspectives can be used when making decisions on socio-scientific issues</li> <li>identify interrelationships between science practices, technological advances, mātauranga Māori, and the practical advancement of science knowledge</li> <li>recognise that scientific ideas are developed through critical and creative thinking, regulated by evidence</li> <li>recognise science ideas are communicated using a range of methods with discipline-specific practices/protocols</li> <li>consider how the values and needs of a society can influence the focus of scientific endeavours</li> <li>use science understanding to critique claims or predictions made in communicated information.</li> </ul>			