

The online animation:

<http://www.sumanasinc.com/webcontent/animations/content/propertiesofwater/water.html>

This is an online animation/video which explains exactly what occurs during the process of water melting to ice and what happens to the water molecules during this change. Although this animation would be slightly too advanced for young primary school science students, it is very useful with regard to the study of the change in forms of water and links to an activity in *Where's the Water?* In which children observe what happens when ice is left in a jar at room temperature, this animation could be shown to advanced or older children explain exactly what is occurring during the activity. This will show students how in-depth science can go as it can explain what the molecules within the water are doing whilst the ice is physically melting. This could intrigue students and initiate ideas or a discussion about what they believe is happening to the ice when it melts.

Online animation I found that would be applicable to this topic is on YouTube called 'Water Cycle Animation' (2010). It includes a short video that illustrates the water cycle; the video repeats their understanding of the topic of water changes and its forms. It is a silent video that allows the children to be able to use their vocabulary; this would be covering the communication element. Watching this video after a lesson the student may be able to explain and name what is happening in the video when the video plays evaporation and condensation. This is a useful source for students who struggle with reading and find pictures and videos a beneficial way of learning. It is also in slow motion so the students get to see an almost real diagram of how the water cycle works. This activity could be a possible conclusion to the topic lesson where the children are able to make sense of their practical knowledge and share with their peers what they viewed in the video. It is interactive and promotes the element of participation and contribution. I believe this animation would be a positive component of learning the topic of 'where's the water?'

*Science Learning Hub.*

<http://www.sciencelearn.org.nz/Nature-of-Science/The-Understanding-about-science-strand>

Discovery Programs, 2010. *Water Cycle Animation.*

<http://www.youtube.com/watch?v=Az2xdNu0ZRk>

In teaching the water cycle topic I would include this useful video

<http://www.youtube.com/watch?v=OzSgk772OQU> as it would help children relate to their world around them and how the cycle continues to repeat. With the use of basic language and animations this concept becomes very clear to children. The video is convincing and is appropriate for children to comprehend.

- Flammer, L. (2006). The importance of teaching the Nature of Science. *The American Biology Teacher*, 68(4),197-198. Retrieved from <http://www.jstor.org/stable/4451964?seq=1> (8<sup>th</sup> May 2013)
- Learn about Planet Earth- Water Cycle (uploaded on 24 June, 2011). Retrieved from <http://www.youtube.com/watch?v=OzSgk772OQU> (23<sup>rd</sup> May 2013)
- The opportunity Thinker. (2013). *Six Thinking Hats: Strengthen Collaboration Skills: A Tool for Productive Critical and Creative Thinking*. Retrieved from [http://www.debonoforschools.com/asp/six\\_hats.asp](http://www.debonoforschools.com/asp/six_hats.asp) (20<sup>th</sup> May 2013)
- Wellington, J. and Irenson, G. (2012). *Science Learning, Science teaching*. Retrieved from <http://otago.ebib.com.au.ezproxy.otago.ac.nz/patron/FullRecord.aspx?p=1099120&echo=1&userid=qo%2bau9L783dLCkI39xNCuA%3d%3d&tstamp=1369438548&id=5F3617DFB83498C93584A1C52D3E768126DCFEA7> (8<sup>th</sup> May 2013)