

'Heat on the move - transferring heat through temperature difference' Book 36

This book refers to "the transfer of heat energy (pungao wera) - a phenomenon that is familiar to children as they experience the processes of warming and cooling in everyday life" (Heat on the move, 2002, p.g 3). This book contains many useful and insightful activities that I believe I could effectively teach to a class of children.

A resource that can help recap and enhance ideas of how heat transfer works is an online interactive which shows visually how heat transfer works. (WGBH, Educational Foundation, 2007) This online animation provides visuals focusing on the three elements of radiation, conduction and convection. For example when clicking on the convection category, we are played an animation of how heat is circulated when a fire is lit. By using interactive's as a resources it helps children get a clearer understanding while also appealing to the visual learners within the classroom.

http://www.teachersdomain.org/asset/lsp07_int_heattransfer/

I would start off with this link <http://www.wisc-online.com/Objects/ViewObject.aspx?ID=sce304> to show what happens when the metal conducts the heat from the fire burner to show how this would transfer onto the food. I would then use this link http://www.hk-phy.org/contextual/heat/hea/condu02_e.html as it explains the process of conduction of heat as well as providing an animation to reinforce the explanations. We are shown in the animations how as the metal heats up, the particles become looser to allow heat to come through.