

Physical and Functional Attributes - Potato Peelers

Achievement Objective	<p>Nature of Technology - Characteristics of Technological Outcomes - Level 3</p> <p><i>Understand that technological outcomes are recognisable as fit for purpose by the relationship between their physical and functional natures.</i></p>
Learning Intention	<p>I am learning... that technological outcomes have a physical nature and a functional nature</p>
Activity Instructions	<p>Have a range of products that have similar functions but different physical attributes e.g. potato peelers, sports balls, brushes</p> <p>In this example potato peelers are used...</p> <ol style="list-style-type: none">1. Have a good look at the range of potato peelers. List the attributes of these potato peelers, e.g... comfortable to use, sharp, easy to clean.2. Try the potato peelers out. How well do they meet your list of attributes? Add to your list of attributes.3. Which attributes are physical attributes? <i>Physical</i> - what it looks like and/or is made from, e.g. it is blue, it is shiny, it has a metal blade4. Which attributes are functional attributes? <i>Functional</i> - what it can do, e.g. the blade is sharp, a hole in the handle to hang it, handle shaped to fit my hand5. Which attributes are both physical and functional? e.g. a rubber handle6. Which physical attributes affect the functional attributes? e.g. blue-ish transparent handle so you can see the knife in the handle7. Which functional attributes affect the physical attributes? e.g. a hole has been put in the handle so that the peeler can hang from a hook\
Teacher Notes	<ul style="list-style-type: none">• Venn diagrams are a great way to compare and contrast the physical and functional attributes