

# ANTHROPOMETRICS AND THE DESIGN OF AN ERGONOMIC GARDEN EQUIPMENT HANDLE

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



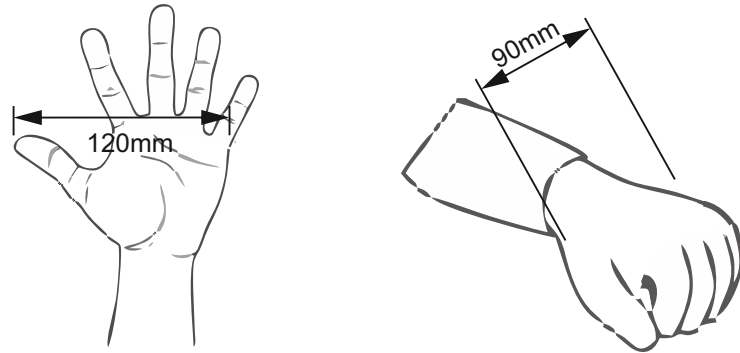
World Association of Technology Teachers

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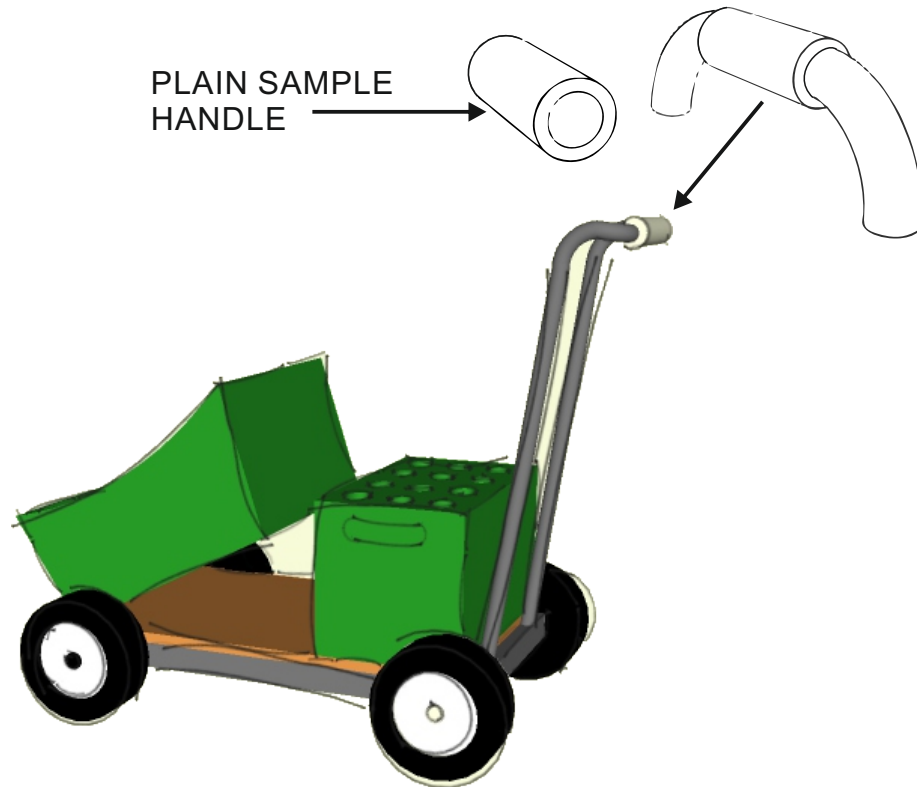
## ANTHROPOMETRIC DATA

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The garden trolley seen below, is for storing equipment and other items, used when gardening. You are to design an ergonomically shaped 'foam rubber' handle, that will slide onto the steel tube handle during manufacture. The ergonomic 'grips' will make lifting and moving the garden trolley more comfortable.

A simple plain foam handle has been sketched. The sketch shows the overall position and size of the 'ergonomic' handle, you are to design.



## HANDLE DESIGN

1. In the space below, develop a design for the ergonomic handle. Do not sketch the entire garden trolley - only the tube and your handle design.

Add dimensions / measurements

Add notes to explain your design, specifically referring to the use of **anthropometric data**, seen opposite.

2. What is meant by the term anthropometric data?

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3. What is meant by the term ergonomics?

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