
Images for **BIOMECHANICS**

58 pages

Introduction

This collection contains a variety of images for use in the teaching of Biomechanics. They are designed as focal points for explanations, discussions, and revision. The written content is kept to a minimum, and with a few exceptions they can be used at almost any level at the discretion of the tutor.



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Images for Biomechanics

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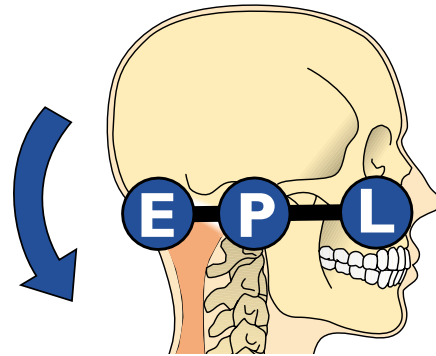
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1st Order Lever

Pivot (*fulcrum*) between effort and load

E - P - L

eg: atlas vertebrae to skull joint

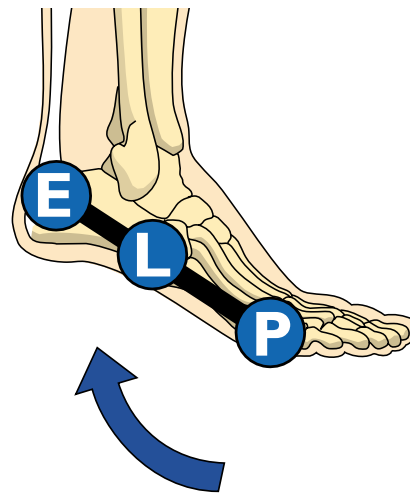


2nd Order Lever

Load between Effort and Pivot

E - L - P

eg: ankle joint

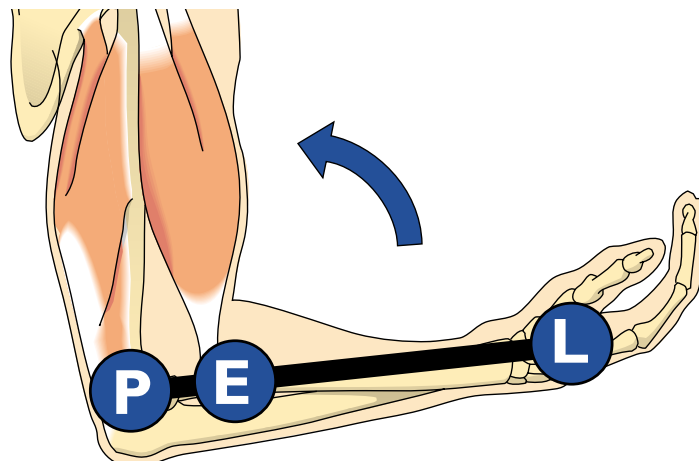


3rd Order Lever

Effort between Load and Pivot

P - E - L

eg: elbow joint



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Linear Motion

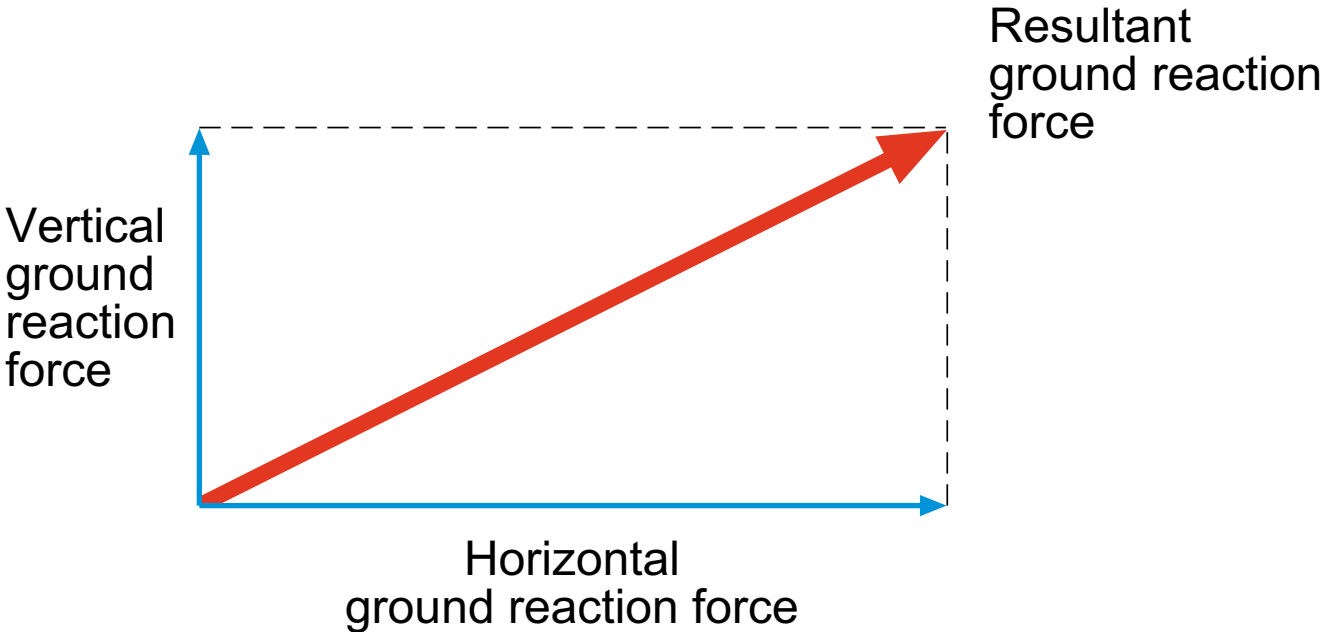
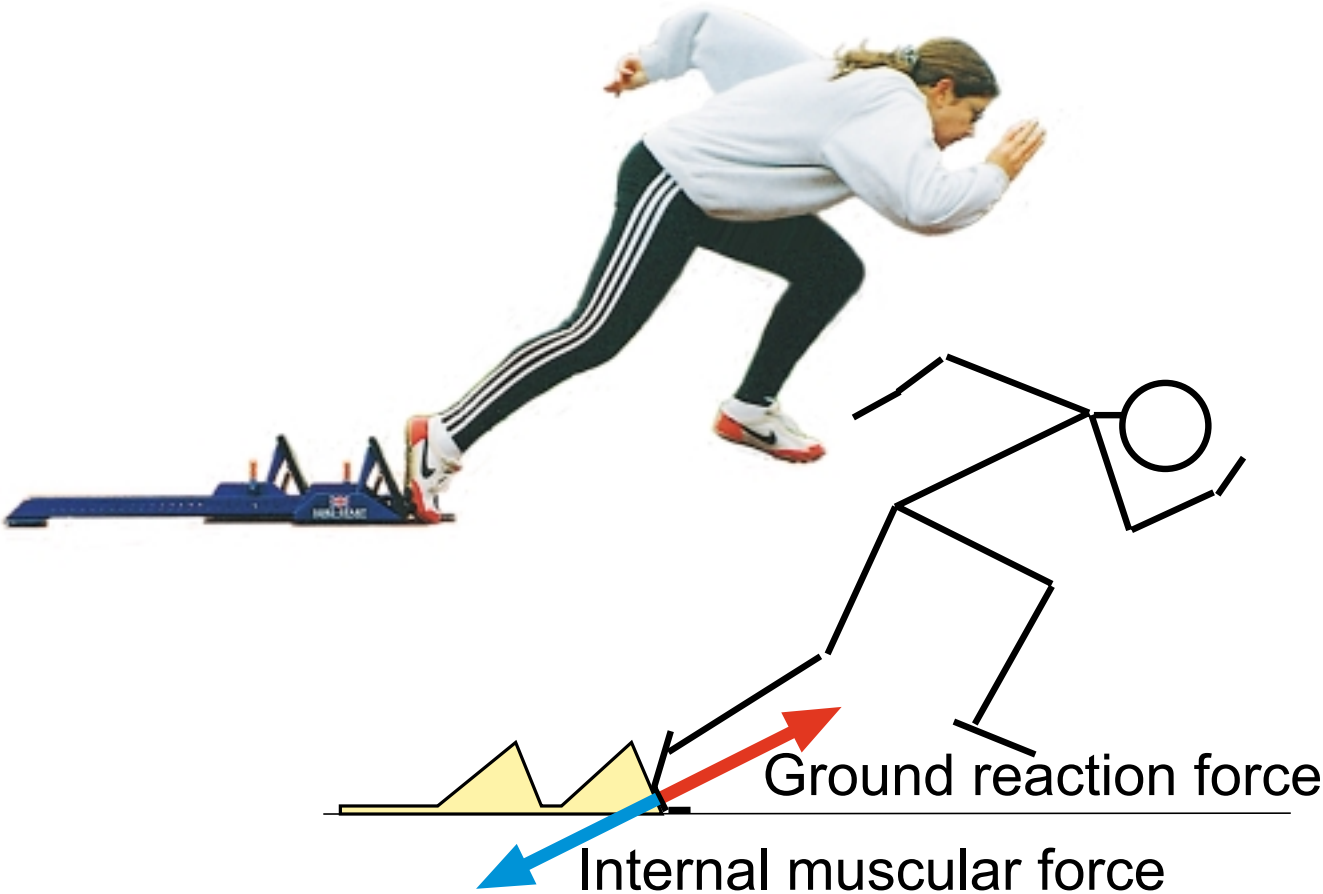


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Linear Motion

The Run

Resultant ground reaction force

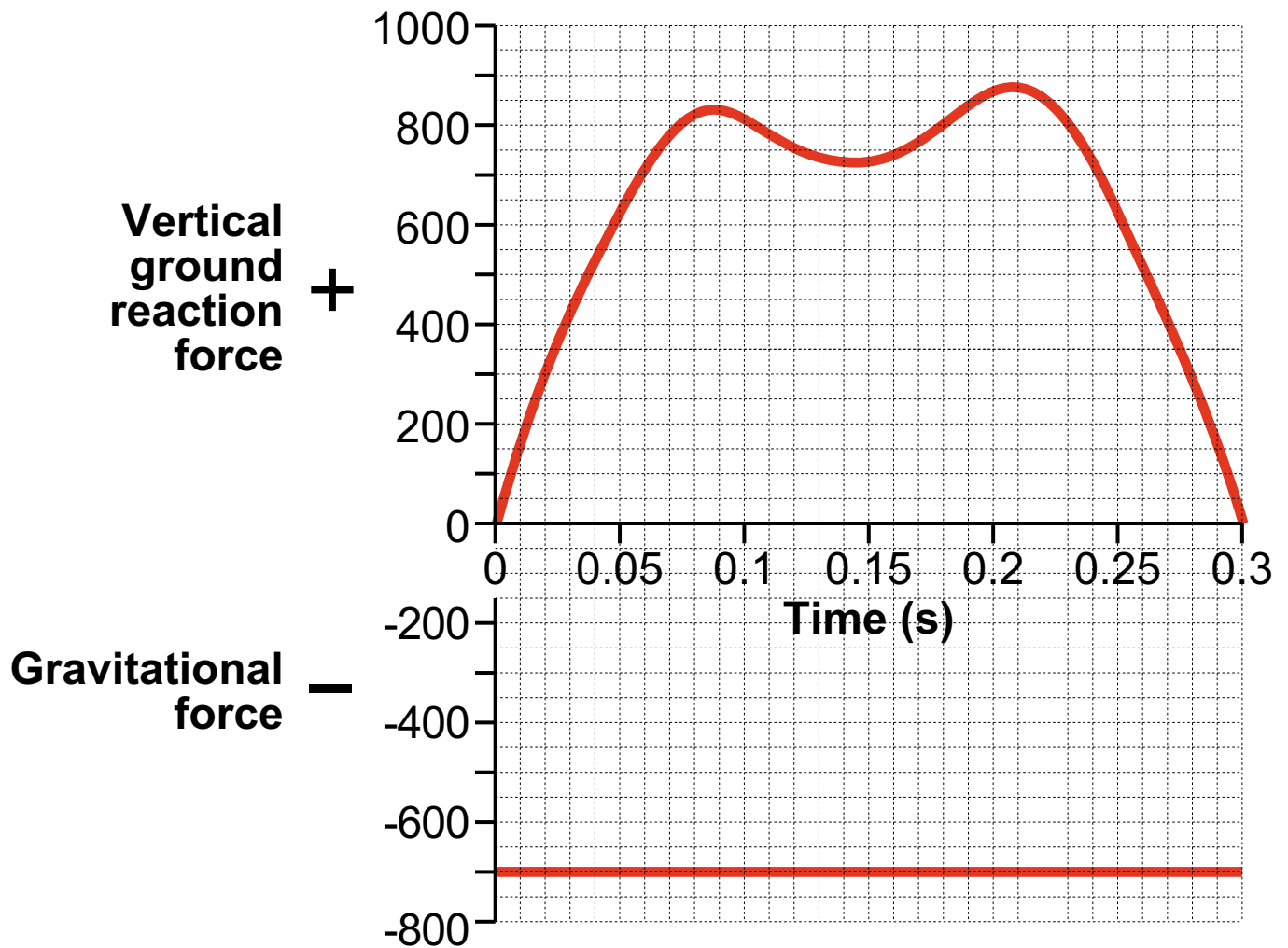


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Linear Motion

The Run

Graph showing the vertical ground reaction force and gravitational force acting on a sprinter, whilst in contact with the starting blocks.



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Linear Motion

The Run

Graph showing the net vertical ground reaction force acting on a sprinter, whilst in contact with the starting blocks.

