

Introduction to Physics & Engineering

Video Links Cheat Sheet

This document contains clickable links for the videos referenced throughout the course. Please note that on occasion videos will be removed by their creators. If you do come across any that have been removed, please notify us and we will work to find new ones for you.

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Autodesk:

https://www.youtube.com/watch?v=toYt_KQyugM

Page 16

Astronauts:

<https://www.youtube.com/watch?v=x2adl6LszcE>

Page 19

G-forces explained:

<https://www.youtube.com/watch?v=DMKcO-T5Y4o>

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A calculation explanation associated with targeting objects on the ground from planes:

<https://www.youtube.com/watch?v=CzIQ104Qfb0>

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Dale's Oak Tree Disposal:

<https://www.youtube.com/watch?v=0pHtvypiCHE>

Page 40

A little boy explaining first class levers:

<https://www.youtube.com/watch?v=YuHZg0F18GA>

Page 42

The same little boy explaining second-class levers:

<https://www.youtube.com/watch?v=5H8flw-Ub6M>

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A fun explanation of leverage and simple machines:

<https://www.youtube.com/watch?v=YIYEi0PgG1g>

Page 46

Awesome video of a large excavator...:

<https://www.youtube.com/watch?v=vLNayfMsNol>

Page 47

A great review of levers, ...:

<https://www.youtube.com/watch?v=eTa2EFd3JF0>

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Parbuckling rig:

<https://www.youtube.com/watch?v=f0T9dz-lvMY>

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An example of a wedge:

<https://www.youtube.com/watch?v=rW1Vq6uL0b0>

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Parbuckling the Concordia:

<https://www.youtube.com/watch?v=bcNc2CMqNWI>

Watch the actual time-lapse...:

<https://www.youtube.com/watch?v=RzRgPmRA5PM>

Another example of parbuckling, parblucking a person! (NEW, the video link in the book is no longer available):

<https://www.youtube.com/watch?v=jYaaTCHv6TU>

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An interesting inclined plane elevator:

<https://www.youtube.com/watch?v=-fu03F-lah8&feature=youtu.be>

Another boating example of parbuckling:

<https://www.youtube.com/watch?v=ov0jXYoYM8s>

Page 104 (NEW, the video from the link in the book has been removed)

A great video showing a crane with large pulley blocks:

<https://www.youtube.com/watch?v=G68JnDjOMzk>

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Here's another video that shows.....:

<https://www.youtube.com/watch?v=73vnrGYmS5U>

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While this is an old video, (NEW, the video from the link in the book has been removed):

<https://www.youtube.com/watch?v=DdZnknku8b8>

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A video of me demonstrating my compact track loader...:

<https://www.youtube.com/watch?v=iVYX6Dg6MrA>

A 4-in-1 bucket description...:

<https://www.youtube.com/watch?v=FLAlgzCKfe8&t=90s>

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Gear ratios on bikes:

<https://www.youtube.com/watch?v=qacvtrh-ot8>

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This video explains power steering,....:

<https://www.youtube.com/watch?v=Z1Y14AejfQU>