

Metrology Apprentice Resources - General

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Resource	Provider	Topic	Link
Online Video	Monroe Community College	What is Metrology?	https://www.youtube.com/watch?v=xcvNI1HHY9o
Online Video	Beginning Engineers	Metrology Introduction	https://www.youtube.com/watch?v=qXhOWXShH1w
Online Video	The Royal Institution	How We Measure the World	https://www.youtube.com/watch?v=dguZLChkRV8&t=13s
Online Video	National Institute of Standards and Technology	The Romance of Precision Measurement	https://www.youtube.com/watch?v=xttL4l0U7gc
Online Video	Tektronix	What is Calibration?	https://www.youtube.com/watch?v=tovpv1xSvSI
Online Videos	Measurement Standards Laboratory	MSL YouTube Channel	https://www.youtube.com/channel/UCqy_lhkZOjXFq3n7Y_cR4TA
Online Videos	Mitutoyo	Metrology Training Lab	https://www.youtube.com/playlist?list=PL8SjYuQUTBZ4y9U5X6xDvLouNNIDbUNj
Books	National Physical Laboratory	NPL Good Practice Guides	https://www.npl.co.uk/resources/gpggs
eLearning	National Physical Laboratory	NPL eLearning Courses	https://training.npl.co.uk/sector/e-learning-courses/#ui-id-1
Courses	Measurement Standards Laboratory	MSL Training Courses	https://measurement.govt.nz/training/
Course	New Zealand Quality College	Laboratory Quality Management	https://www.nzqc.co.nz/upload/home/courses/course-content/Laboratory%20Quality%20Management%20new%20v1.pdf
Book	B D Hall and D R White	An Introduction to Measurement Uncertainty	https://measurement.govt.nz/resources/#collapse-control-2-1

Online Video	Fluke South East Asia	Understanding Uncertainty Budgets	https://www.youtube.com/watch?v=KiPv6_xrrP0
Website	Excel Easy	Excel tutorial and function dictionary	https://www.excel-easy.com/
Online Videos	Khan Academy	Exploring Data	https://www.youtube.com/playlist?list=PLSQI0a2vh4HDGASZE0AAY5rMpTXBUs1hs
eLearning	Hexagon Metrology	Math & Metrology	https://www.hexagonmetrology.com/catalog/?id=12735
eLearning	Udemy	2020 Complete Python Bootcamp	https://www.udemy.com/course/complete-python-bootcamp/
Online Videos	Corey Schafer	Python Programming	https://www.youtube.com/playlist?list=PL-osiE80TeTt2d9bfVyTiXJA-UTHn6WwU
Book	Eric Matthes	Python Crash Course 2nd edition	https://www.amazon.com/Python-Crash-Course-2nd-Edition-dp-1593279280/dp/1593279280/ref=dp_ob_title_bk
Website	Measurement Standards Laboratory	MSL Technical Guides	https://measurement.govt.nz/resources/
Book	J V Nicholas and D R White	Traceable Temperatures	https://measurement.govt.nz/resources/#collapse-control-2-1
Online Video	PBS Nova Documentary Channel	Absolute Zero	https://www.youtube.com/watch?v=_H5i5DjYPjA
Online Video	Veritasium	The kg is dead, long live the kg	https://www.youtube.com/watch?v=c_e1wlTe_ig&list=PLF8nu550q4pV2QI0OBsn_fARlwRp08H2s&index=8&t=0s
Book	Alex Hebra	The Physics of Metrology	https://www.springer.com/gp/book/9783211783801