

Metrology Apprentice Resources - Dimensional

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Resource	Provider	Topic	Link
Online Video	Quality Digest	Careers in metrology	https://www.youtube.com/watch?v=VoH9PUX6oY0
Book	Mark Curtis & Francis Farago	Handbook of Dimensional Measurement	https://www.bookdepository.com/Handbook-Dimensional-Measurement-Mark-Curtis/9780831134655
Book	Mitutoyo	Metrology Handbook	https://www.mitutoyo.com/mitutoyo-on-demand/metrology-handbook-ebook-metrology-handbook-2nd-edition/
Book	Standards Australia / Standards New Zealand	The Selection, Care and Checking of Measuring Instruments in Industry	https://infostore.saiglobal.com/preview/as/misc/handbook/hb862.pdf?sku=569147
eLearning	National Physical Laboratory	NPL eLearning Courses	https://training.npl.co.uk/sector/e-learning-courses/#ui-id-3
eLearning	Hexagon Metrology	Coordinate Metrology	https://www.hexagonmetrology.com/catalog/?id=6316
Online Videos	Quality Digest	How to Series	https://www.youtube.com/playlist?list=PLXZpvZxpZFjg63uNW0eSWbMCgFlyTXIXZ
eBook	National Institute of Standards and Technology	The Gauge Block Handbook	https://www.nist.gov/system/files/documents/calibrations/mono180.pdf
Website	Renishaw	Interferometry explained	https://www.renishaw.com/en/interferometry-explained--7854
Online Video	Leica Geosystems AG	Laser scanning: Chapter 2 of 3 - How It All Works	https://www.youtube.com/watch?v=1IDO1UevAJI
Online Video	Queensland University of Technology	Atomic Force Microscopy (AFM)	https://www.youtube.com/watch?v=jRAqhFdwI20

Online Videos	Mitutoyo	Specialty Micrometers & Calipers	https://www.youtube.com/playlist?list=PL8SjYuQUTBZ6vPb8mNgCLqxPefMAxey7o
Website	Calculator Soup	Geometry Calculators	https://www.calculatorsoup.com/calculators/geometry-calculators.php
Website	Geometry Expressions	Mathematical modelling	https://www.geometryexpressions.com/gx/index.html
Online Videos	3Blue1Brown	Geometry	https://www.youtube.com/playlist?list=PLZHQObOWTQDMXMi3bUMThGdYqos36X_IA
Book	Alex Krulikowski	Fundamentals of Geometric Dimensioning and Tolerancing	https://www.bookdepository.com/Fundamentals-of-Geometric-Dimensioning-and-Tolerancing/9781111129828
Online Video	Capture 3D	A Beginner's Guide to GD&T	https://www.youtube.com/watch?v=gHoRIBqfsRw
eLearning	Coursera	An Introduction to Programming the Internet of Things	https://www.coursera.org/specializations/iot
Online Video	NYC CNC	Job Shop Measuring & Metrology Tips	https://www.youtube.com/watch?v=LZtN0OKi9Os
Online Videos	Suburban Tool Inc	Metrology / Measurement with America's Toolmaker	https://www.youtube.com/playlist?list=PLO5YWJq2LzNsqrB5L_Qp0ghv-1S-uNvr9
Online Videos	New Mind	Metrology and Manufacturing	https://www.youtube.com/playlist?list=PLC7a8fNahjQ9u4V4iaK_6KhRaGngl0x3q
Book	Simon Winchester	Exactly : How Precision Engineers Created the Modern World	https://www.bookdepository.com/Exactly-Simon-Winchester/9780008241780
Audiobook	Simon Winchester	Exactly : How Precision Engineers Created the Modern World	https://www.audible.com.au/pd/Exactly-Audiobook/B07CQ31MTW