



Curated Reference List 2020

The following curated list of books, articles and videos is the prior knowledge of the standard curriculum topics the Fellows should have before participating. It covers the essential information with which the World Nuclear University candidates should familiarise themselves, to actively participate and contribute to the programme.

World Nuclear University has made this list freely available so that professionals in the nuclear area, and interested members of the public, may make use of the references and find value in it as a source of information and inspiration. No prior understanding of any aspect of the nuclear area is necessary to use this resource.

The curated reference list is revised every year to keep up with changes in the industry, and is streamlined to provide the most important and core information in a concise and accessible manner.

With the aim of continuous improvement, we gladly accept suggestions regarding the content of this list. If you have any suggestions for us, please email us at wnu@world-nuclear-university.org

World Nuclear University Summer Institute Curriculum Clickable Links:

Foundation Knowledge

Global Energy Setting

Nuclear Industry

International Regimes, Safety, Security and Safeguards

Leadership, project management, and knowledge management

Networking and communications

Networks for Nuclear Innovation - Magazines





Foundation Knowledge

WNU - [What is the WNU Summer Institute](#)

World Nuclear Association - [Nuclear Essentials](#)

World Nuclear Association - [Information Library](#)

World Nuclear Association – [What Will Power Our Electric Future?](#)

World Nuclear Association - [Reactor Database](#)

World Nuclear Association – [Nuclear in the 21st Century Quiz](#)

WNU – [Nuclear in the 21st Century](#)

WNU – [Nuclear English](#)

IAEA - [Country Nuclear Profiles](#)

IAEA – [Basics of Radiation](#)

UNSCEAR – [Radiation: Effects and Sources](#)

E-learning - [Nuclear Reactor - Understanding how it works | Physics ELearning](#)

IAEA – [The Future of Fusion Energy](#)

IAEA – [Measuring Radiation](#)





Global Energy Setting

UN - [Framework Convention on Climate Change](#)

IAEA - [Milestones Approach to Introducing a Nuclear Power Programme](#)

MIT - [The Future of Nuclear Energy in a Carbon-Constrained World](#)

World Nuclear Association – [The Silent Giant](#)

IAEA – [The Road to a Carbon Free Future](#)





Nuclear Industry

IAEA – [The Nuclear Fuel Cycle](#)

Cameco - [Cameco's Key Lake - Virtual Tour](#)

OECD/NEA - [Uranium mining - Environmental and health impacts](#)

URENCO - [URENCO Experience](#)

Westinghouse Nuclear – [An Inside Look: Westinghouse Columbia Fuel Fabrication Facility](#)

World Nuclear Association - [Performance Report](#)

World Nuclear Association - [Nuclear Power Economics and Project Structuring](#)

IAEA - [Safety of Nuclear Power Plants: Design](#)

IAEA - [Radioactive Waste - The Journey to Disposal](#)

IAEA - [Spent fuel and Radioactive Waste Management, Decommissioning and Environmental Remediation](#)

IAEA - [Final Report on Fourth Review of Fukushima Decommissioning](#)

TEPCO – [NPP Decommissioning](#)

World Nuclear Association - [Methodology to Manage Material and Waste from Nuclear Decommissioning](#)

Distinctive Voices – [Alan Walter: The Future of Nuclear Technology ... After Fukushima](#)

OECD/NEA – [IEA/NEA Technology Roadmap - Nuclear Energy](#)





International Regimes, Safety, Security and Safeguards

CNSC - [Nuclear Power Plant Safety Systems](#)

NEA – [Legal Frameworks for Long-Term Operation of Nuclear Power Reactors](#)

WANO - [Traits of a Healthy Nuclear Safety Culture](#)

CNSC - [Radiation and Health: Go beyond the tiny world of the atom!](#)

NEA - [The Safety Culture of an Effective Nuclear Regulatory Body \(2016\)](#)

IAEA - [Radiation Protection and Safety of Radiation Sources - International Basic Safety Standards](#)

IAEA - [Regulations for the Safe Transport of Radioactive Material \(2012\)](#)

IAEA - [The Safe and Secure Transport of Radioactive Material](#)

IAEA – [Nuclear Security Bulletin February 2020](#)

IAEA - [Security certificate courses](#)

IAEA – [Basics of IAEA Safeguards](#)





Leadership, project management, and knowledge management

Daniel Goleman – [Crucial Competence: Emotional and Social Intelligence in Leadership](#)

Harvard Business Review - [How You Make Decisions is as Important as What You Decide](#)

Roselinde Torres - [What it takes to be a great leader](#)

University of Kent/UK - [Leadership](#)

Jason Clarke - [Embracing Change](#)

Seth Godin - [The difference between Leadership and Management](#)

Simon Sinek - [How great leaders inspire action](#)

Daniel Goleman - [Focus - The Secret to High Performance and Fulfilment](#)

Sheryl Sandberg - [Why we have too few women leaders](#)

Mike Vaughan - [How to Ask Better Questions](#)

Simon Sinek - [Things I wish I knew when I was younger](#)

World Economic Forum - [Davos 2019 - Meet the Leader with Alibaba Executive Chairman Jack Ma](#)

KMT - [Knowledge Management in 5 minutes or less](#)

Project Management - [What is Project Management?](#)

Indeed – [10 Common Leadership Styles](#)





Networking and communications

Mark E. Sackett - [The art of active networking](#)

IAEA – [Nuclear Communicator's toolbox](#)

David JP Philips – [The 110 techniques of public speaking](#)

Nat Kendall-Taylor - [How words change minds: The science of storytelling](#)

The Guardian – [A guide to asking good questions](#)

Nathan Gold – [Powerful Presentations: Top Mistakes](#)

