

Links to Sites about Problem-Solving

Problem Solving Models & Methods

Creating Minds

<http://creatingminds.org/articles/synectics.htm>

Five-Step DMAIC Model (Six Sigma)

<http://sixsigmamangement.blogspot.com/2008/06/six-sigma-methodology-five-step-problem.html>

IDEAL Problem Solver

https://www.tntech.edu/cat/pdf/useful_links/idealproblemsolver.pdf

Kepner-Tregoe Method

<https://www.toolshero.com/problem-solving/kepner-tregoe-method/>

Problem Solving Case Studies

<https://casestudies.mit.edu/problem-solving/>

Problem Solving: Definition, Role and Pedagogy

<https://tantalus.questu.ca/~rhoshino/papers/mathed2.pdf>

Problem Solving Skills for the Digital Age – Lucid Chart

<http://asq.org/quality-progress/2012/11/back-to-basics/to-dmaic-or-not-to-dmaic.html>

Six Step Problem-Solving Model

<http://www.free-management-ebooks.com/news/six-step-problem-solving-model/>

Solution Engineering

<https://www.nickols.us/solutionengineering.html>

Technological Method of Problem Solving

https://www.teachengineering.org/lessons/view/cla_lesson2_problem_solving

What is Problem Solving? – Mind Tools

https://www.mindtools.com/pages/article/newTMC_00.htm

The 40 Principles of Triz

http://creatingminds.org/tools/triz/principles/40_principles.htm

Distance Consulting Web Site

Algorithm for “Covering the Bases”

https://www.nickols.us/Problem_Solving_Bases_Algorithm.pdf

Choosing the Right Problem-Solving Approach

<https://www.nickols.us/choosing.pdf>

Links to Sites about Problem-Solving

Forget About Causes – Focus on Solutions

https://www.nickols.us/forget_about_causes.pdf

The Four Step Model

<https://www.nickols.us/FourStepModel.pdf>

The Goals Grid: A Tool for Clarifying Goals and Objectives

https://www.nickols.us/goals_grid.pdf

Interactive Job Aid for “Covering the Bases”

<https://www.nickols.us/SEJobAid.pdf>

Radical Improvements in Performance through Solution Engineering

<https://www.nickols.us/pssupportpi.pdf>

Solution Engineering: A Different Point of View of Problem Solving

<https://www.nickols.us/differentpointofview.pdf>

Solution Paths: Getting from Here to There

<https://www.nickols.us/SolutionPaths.pdf>

Ten Problem-Solving Tips

<https://www.nickols.us/TenProblemSolvingTips.pdf>

Three Cases in Figuring Out What to Do

https://www.nickols.us/three_cases.pdf