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Materials Selection in Mechanical Design, Fifth Edition, winner of a 2018 Textbook Excellence Award (Texty), describes the procedures for material selection in mechanical design in order to ensure that the most suitable materials for a given application are identified from the full range of materials and section shapes available.

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The approach emphasizes design with materials rather than materials science'. although the underlying science is used, whenever possible, to help with the structuring of criteria for selection The first six chapters require little prior knowledge: a first-year engineering knowledge of materials and mechanics is enough.

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