



Canals and Dams: Investigate Feats of Engineering with 25 Projects

By Donna Latham, Andrew Christensen

Nomad Press. Hardback. Book Condition: new. BRAND NEW, Canals and Dams: Investigate Feats of Engineering with 25 Projects, Donna Latham, Andrew Christensen, Canals and Dams: Investigate Feats of Engineering invites children ages 9 and up to explore the innovation and physical science behind the amazing waterways and barriers our world depends on. Trivia and fun facts illustrate engineering ingenuity and achievements from ancient aqueducts to the Suez Canal and the Hoover Dam. Readers will discover that engineers and builders alike put their lives on the line to advance civilization, experiencing triumphs and tragedies in building big. Through dazzling success and heartbreaking failure, they developed increasingly sophisticated tools and building methods. Activities and projects encourage children to explore the engineering process and to try, try again through trial and error. They'll engage in hands-on explorations of buoyancy, Newton's third law of motion, and forces that push and pull structures. They'll create a paper-cup zip line, build an arch, and simulate a tsunami, while experimenting with gravity, hydroponics, and velocity. In Canals and Dams: Investigate Feats of Engineering, children will gain an appreciation for the important field of engineering as they develop their own building skills.



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