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Explore the wonders of the universe through hands-on fun! In Astronomy Lab for Kids, science educator Michelle Nichols has compiled 52 labs and activities that use everyday

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materials from around the house to encourage kids, their friends, and their families to look up, down, and around at everything from the shadows on the ground to the stars in the sky. Mini astronomers will learn about things such as the size and scale of planets using sandwich cookies and tennis Page 63/75

balls, how to measure the speed of light with a flat candy bar and a microwave, how to make a simple telescope with magnifying glasses, and so much more! Kids begin their journey through the stars by creating a science journal to track their experiments and record their Page 64/75

observations. Foundational skills, like how to make observations, measure angles, and determine directions, are laid out first. The lessons expand with explorations of size and scale; light, motion, and gravity; and then on to investigations of our Solar System and finding constellations in the night sky.

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Each lab includes: Time it will take to complete Materials list Safety tips and setup hints Step-by-step text and photos The science behind the fun Variations or ideas for taking the project further Children of all ages and experience levels will love the handson activities and adults will love Page 66/75

spending quality time learning with their kids or students. The popular Lab for Kids series features a growing list of books that share hands-on activities and projects on a wide host of topics, including art, astronomy, clay, geology, math, and even how to create your own circus all authored by

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established experts in their fields. Each lab contains a complete materials list, clear step-by-step photographs of the process, as well as finished samples. The labs can be used as singular projects or as part of a yearlong curriculum of experiential learning. The activities are open-Page 68/75

ended, designed to be explored over and over, often with different results. Geared toward being taught or guided by adults, they are enriching for a range of ages and skill levels. Gain firsthand knowledge on your favorite topic with Lab for Kids.

This manual provides laboratorybased learning experiences in perceptually and psychosocially linked exercise assessment, prescription, and programming. The primary pedagogic outcome is the ability to use applied theory and practice in perceptual and psychosocial exercise Page 70/75

assessment and program design to promote the adoption and maintenance of a physically active lifestyle, enhancing overall health fitness. Perceptual and psychosocial variables are presented in individual, stand-alone laboratory modules that can supplement existing curricula such Page 71/75

as exercise and sport psychology, exercise physiology, exercise testing and prescription, and exercise training and conditioning. In addition, the complete modular set has a conceptual flow that allows its presentation as an entire, laboratorybased course. The laboratory modules Page 72/75

are divided into three primary units: assessment (theoretical constructs, scales and procedures, tests), prescription (self-regulation, performance), and program evaluation. The manual uses a unique format in which case studies are embedded in the conceptual flow of Page 73/75

each lab module facilitating translation of laboratory results to real-world application. The manual concludes with a discussion of perceptually and psychosocially linked exercise prescription and programming applications in public health, such as program monitoring and adherence.

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