



New Hands, New Life: Robots, Prostheses and Innovation (Paperback)

By Jan Andrysek, Alex Mihailidis

FIREFLY BOOKS LTD, Canada, 2017. Paperback. Condition: New. Language: English . Brand New Book. Everyone uses machines in our daily life - cars, buses and bikes; computers and phones; washing machines and dryers. Another type of machine is an assistive device . These enable a man missing a leg to walk, a woman missing an arm to hold objects and a child in a wheelchair to play a sport. New Hands, New Life offers young readers the opportunity to learn how our bodies work during physical activity and what happens when they don t work properly. It shows how exciting advances in technology and science have allowed us to create assistive devices - from artificial limbs and wheelchairs to exoskeletons and robots - that make it possible for someone with a disability to make new abilities. Assistive devices are especially life-changing for a child who can overcome the challenges of a missing limb or reduced motor function to enjoy a life of learning and play that would be otherwise out of reach. Topics include: * The emergence of robotics; * Anatomy and physiology related to movement and activity, including motor control; * Why some children need help to move or...



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