

## Wearable Technology: Meeting the Needs of Individuals with Disabilities and Its Applications to Education

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Wearable technology offers opportunities for individuals with disabilities to engage with their environment with greater success and to be included in learning opportunities to a greater degree. [Wearables] mean digital devices and/or computers that can be worn and used in the real world (Borthwick, Anderson, Finsness, & Foulger, 2015). Some wearable technology that works for individuals with disabilities is worn on the body as an accessory, such as a Fitbit. Other wearables for individuals with disabilities involve smart clothing or clothing interwoven with sensors that can help maintain health and help the individual with disabilities be more successful in their environment. Some individuals with disabilities even have wearables with microprocessors that directly attach to the body. These wearables can play an important role in the classroom that is following the principles of universal design for learning to enhance the learning of students with disabilities. The chapter outlines wearables for disabilities and finishes with two case studies of students with disabilities who are recommended wearables to help their success in the classroom.

This is the abstract of a book chapter. The full chapter is available [here](#). Citation: Cindy L. Anderson and Kevin M. Anderson (2019): Wearable Technology: Meeting the Needs of Individuals with Disabilities and Its Applications to Education, In: Buchem, Klamma, Wild (Eds.): Perspectives on Wearable Enhanced Learning (WELL): Current Trends, Research, and Practice, Springer.