Technology-Aided Instruction and Intervention
Fact Sheet

Brief Description
Technology-aided instruction and intervention (TAII) are those in which technology is the central feature of an intervention that supports the goal or outcome for the student. Technology is defined as “any electronic item/equipment/application/or virtual network that is used intentionally to increase/maintain, and/or improve daily living, work/productivity, and recreation/leisure capabilities of adolescents with autism spectrum disorders” (Odom, Thompson, et al., 2013). TAII incorporates a broad range of devices, such as speech-generating devices, smart phones, tables, computed-assisted instructional programs, and virtual networks. The common features of these interventions are the technology itself (as noted) and instructional procedures for learning to use the technology or supporting its use in appropriate contexts.

Qualifying Evidence
TAII meets evidence-based criteria with 9 group design and 11 single case design studies.

Ages
According to the evidence-based studies, this intervention has been effective for preschoolers (3-5 years) to young adults (19-22 years) with ASD.

Outcomes
TAII can be used effectively to address social, communication, behavior, joint attention, cognitive, school-readiness, academic, motor, adaptive, and vocational skills.

Research Studies Providing Evidence


Evidence-Based Practices for Children, Youth, and Young Adults with Autism Spectrum Disorder 97


**Technology-Aided Instruction and Intervention Fact Sheet—suggested citation**