

- Control progress of chronic disease Manage functional decline
- Mediate the psychological and social impact of disability
- Increase independence
- Facilitate life skill
- competencies
- Greater inclusion in family/community life
- Enhance socialization





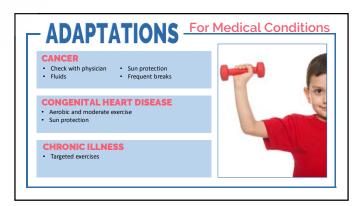
Challenges of Movement Activities Due to Medical Conditions:

Asthma Diabetes Cancer Congenital heart disease Chronic illness









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Non Medical Conditions

- Communication Disorders/Hearing Impairment
- Blindness
- Sensory Processing Disorders
- Attention Deficit Hyperactivity Disorder (ADHD)
- Intellectual Disability
- intercetual Disability
- Cognitive Impairment: Traumatic Brain Injury (TBI)
- Social Emotional DisordersOrthopedic Impairments



Communication Disorders

A communication disorder is an impairment in the ability to receive, send, process, and comprehend concepts or verbal, nonverbal and graphic symbol systems. A communication disorder may be evident in the processes of hearing, language, and/or speech. A communication disorder may range in severity from mild to profound. It may be developmental or acquired. Individuals may demonstrate one or any combination of communication disorders. A communication disorders are communication disorder may result in a primary disability or it may be secondary to other disabilities.

~ American Speech and Language Association

Challenges of Movement Activities Due to Communication Disorders:

Ability to follow specific directions Ability to ask questions, for help or clarifications





Specific Adaptations for Children with Communication Disorders:

Demonstration of activity in small steps Peer modeling Video modeling Cue cards Sign language Physical prompts Extra time

Visual Impairments ...legal blindness (also called statutory blindness) as best corrected visual acuity of 20/200 or worse in the better eye; or a visual field limitation such that the widest diameter of the visual field, in the better eye, is 20 degrees or less.



Guided Activities	
Verbal Description	
Tactile Description	
Physical Prompts	
Environment	

Sensory Processing Disorder AKA sensory integration dysfunction is a condition in which the brain has trouble receiving and responding to information that comes in through the senses.



Challenges of Movement Activities Due to Sensory Processing Disorder:

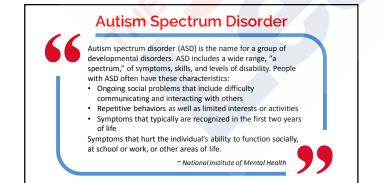
Coordination Ability to move

Ability to move freely and safely in the environment

Spatial Awareness Motor planning Sensory stimulation Transitions



Specific Adaptations for Children with Sensory Processing Disorder: Occupational Therapist (OT) guided activities Consider location, transitions and time Centering activities Visuals Options Modulators





Challenges of Movement Activities to ASD: Ability to follow directions Ability to provide feedback Sensory issues Anxiety, Obsessive Compulsive Disorder (OCD)

Weak core



Specific Adaptations for Children with ASD:

Build sensory stability, core and proprioception

Visual directions Teach skill in smaller steps in

separate location Reinforcement

Attention Deficit & Hyperactivity Disorder

Attention-deficit/hyperactivity disorder (ADHD) is one of the most common mental disorders affecting children...Symptoms of ADHD include inattention (not being able to keep focus), hyperactivity (excess movement that is not fitting to the setting) and impulsivity (hasty acts that occur in the moment without thought).

~ American Pediatric Association



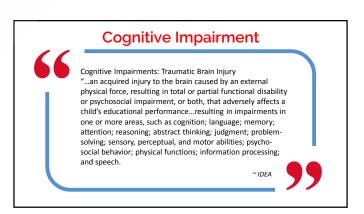
Challenges of Movement Activities Due to ADHD:

Ability to stay on task Easily frustrated

Specific Adaptations for Children with ADHD:







Challenges of Movement Activities Due to Intellectual Disability and Cognitive Impairments:

- Ability to follow directions
- Ability to learn new steps and respond
- Ability to communicate questions or comments
- Some conditions are associated with low muscle tone
- Low expectations



Specific step by step directions and demonstrations Limit decisions Opportunities for practice and extra time Peer helper



Specific Adaptations for Children with Intellectual Disability and Cognitive Impairments:

Social Emotional Disorders

- Emotional disturbance: a condition exhibiting one or more of the following characteristics over a long period of time and to a
- marked degree that adversely affects a child's educational performance: A. An inability to learn that cannot be explained by intellectual,
- A. An inability to learn that cannot be explained by intellectual sensory, or health factors.
 B. An inability to build or maintain satisfactory interpersonal
- An inability to build or maintain satisfactory interpersonal relationships with peers and teachers.
 Inappropriate types of behavior or feelings under normal
- circumstances.
- D. A general pervasive mood of unhappiness or depression.
- E. A tendency to develop physical symptoms or fears associated with personal or school problems. ~ IDEA





Challenges of Movement Activities Due to Social Emotional Disorders: Issues with interactions Fear & uncertainty Wariness Acting out

~ IDEA

Specific Adaptations for Children with Social Emotional Disorders

- One-on-one communication
- Pre-practice
- Large group support
- Identify areas of strength
- Possible leadership opport
- Peer-helpers



Orthopedic Impairment

...means a severe orthopedic impairment that adversely affects a child's educational performance. The term includes impairments caused by a congenital anomaly, impairments caused by disease (e.g., poliomyelitis, bone tuberculosis), and impairments from other causes (e.g., cerebral palsy, amputations, and fractures or burns that cause contractures). Challenges of Movement Activities Due to Orthopedic Impairment

- Coordinat
- Balance
- Speed
- Mobility





Specific Adaptations for Children with Orthopedic Impairments

Share their ways of adapting

Activities that can be done with all Participants seated

Peer helper



Ideas to make areas accessible	Wider spaces and room between equipment Gentie slopes Resting spaces Braille signs/Large print Contrasting colors Visual signs Calming places Opportunities for independence
	A CONTRACTOR

General Inclusion Ideas for All Students

- Information sharing
- Encourage inclusion
- Peer helpers
- Empathy activities



General Inclusion Ideas for All Students

Self-advocacy Peer education Respect and equity Ways to Adjust Physical Activities to Include Students with Special Needs

- Alter components
- Repetition
- Environment
- Equipment
- Peer or Adult helper
- Invent inclusive activities











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- Early Childhood Inclusion -
- http://www.naeyc.org/files/naeyc/file/positions/DEC_NAE YC_EC_updatedKS.pdf
- https://www.caringforkids.cps.ca/handouts/physical_activ ity_with_a_chronic_illness
- https://www.webmd.com/asthma/guide/exercisingasthma#1-2
- https://www.endocrineweb.com/guides/type-1children/physical-activity-children-type-1-diabetes



- https://www.cancer.org/treatment/survivorship-duringand-after-treatment/staying-active/physical-activity-andthe-cancer-patient.htmlCongenital%20heart%20disease
- http://www.aboutkidshealth.ca/En/ResourceCentres/Cong
 enitalHeartConditions/AtHome/OngoingCare/Pages/Physic al-Activity-for-Children-with-Congenital-Heart-Disease.aspx
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2690546/
- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2866314/

Resources

- http://www.heart.org/HEARTORG/Conditions/CongenitalH eartDefects/CareTreatmentforCongenitalHeartDefects/Co ngenital-Heart-Defects-and-
- PhysicalActivity_UCM_307738_Article.jsp#.WiBj0lWnHb0
- https://www.asha.org/policy/RP1993-00208/
- https://www.webmd.com/children/sensory-processingdisorder#1
- http://activeforlife.com/activities-for-babies-and-toddlers/



- https://www.understood.org/en/schoollearning/partnering-with-childs-school/instructionalstrategies/at-a-glance-classroom-accommodations-foradhd
- https://www.aaastateofplay.com/how-to-accommodatespecial-needs-children-on-the-playground/
- https://kaboom.org/resources/build_playground_toolkit/a ccessibility/special_needs/mobility_impairments

