

# Assistive Technology Product Guide

Rehabilitation Centre for Children



## Table of Contents

Introduction .....	2
Seating .....	3
ABC Chair .....	4
Adapted School Chair .....	5
Cloud Chair .....	6
Dino Chair .....	7
Positioning Aids .....	8
Hip Positioning Cushion .....	9
Stander .....	10
Mobility .....	11
Mini Wheels.....	12
Pommel Walker.....	13
Stability Wheels.....	14
Switch Adapted Ride-On Cars .....	15
Wild Thing .....	16
Winter Sled.....	17
Appendix A: Available Accessories.....	18
Appendix B: Requisition Forms .....	22
Appendix C: Alternative Access Controls Product Guide.....	23



## Introduction

The Rehabilitation Centre for Children is proud to assist families and caregivers by providing equipment to improve or maintain the quality of life for children and youth with disabilities. This document is a guide to the equipment made at the Rehabilitation Centre for Children and is meant to assist therapists in finding the right equipment for their clients.

To access this equipment please contact the Assistive Technology Department directly at 204-258-6661. Access to RCC equipment requires a prescription from a therapist. Additional accessories can be found in Appendix A.

If there is a specific need that cannot be met with the devices in this product guide, please submit an Assistive Technology Requisition Form (Appendix B) or see the Alternative Access Controls Product Guide (Appendix C).

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# Seating



## ABC Chair

The ABC Chair is used for supported seated positioning either in a school setting or at home. This chair is custom built based on the child's measurements and the height of the table it will be used at. It is meant to be used at a classroom or home table but can have a tray if needed.

### Specifications<sup>1</sup>

Seat widths:	Custom (max. 14 inches)
Seat depth:	Custom (max. 15 inches)
Materials:	Birch plywood, water-based clear coat, PET-G, polyester
Upholstery:	Vinyl, open-cell foam

### Available Accessories

- Head Rest
- Butterfly Harness
- Lap Belt
- Chest Strap
- Lateral Supports
- Pommel
- Tray

### Documentation

- Quick Guide
- User Guide



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<sup>1</sup> Consult with an RCC – Assistive Technology Therapist regarding unspecified specifications for this device.

## Adapted School Chair

The Adapted School Chair is used for supported seated positioning in a school setting. This option should be chosen when not all features of the ABC Chair are necessary.

### Specifications

Seat widths:	Vary based on chair
Seat depth:	Vary based on chair
Materials:	Birch plywood, water-based clear coat, Powder-coated steel
Upholstery:	Vinyl, open-cell foam

### Available Accessories<sup>2</sup>

- Arm Rests



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<sup>2</sup> If additional support is needed, please consult with an RCC – Assistive Technology Therapist.



## Cloud Chair

The Cloud Chair is used to promote proper positioning while seated on the floor. It is intended for use by infants and toddlers. The back angle and seat angle are easily adjustable without tools to accommodate different positioning requirements. Accessories can be added to increase support.

### Specifications<sup>3</sup>

Seat widths:	10, 12 inches
Materials:	Birch plywood, water-based clear coat, PET-G, polyester
Upholstery:	Vinyl, open-cell foam

### Available Accessories

- Head Rest
- Butterfly Harness
- Lap Belt
- Chest Strap
- Lateral Supports
- Scissor Table

### Documentation

- Quick Guide
- User Guide



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<sup>3</sup> Consult with an RCC – Assistive Technology Therapist regarding unspecified specifications for this device.

## Dino Chair

The Dino Chair is used to promote supported positioning while seated. It is intended for use by toddlers and young children. The chair is easily adjustable to accommodate growth in the child. The following accessories can be added to increase support.

### Specifications<sup>4</sup>

Seat widths:	10, 12 inches
Materials:	Birch plywood, water-based clear coat, polyester
Upholstery:	Vinyl, open-cell foam

### Available Accessories

- Head Rest
- Butterfly Harness
- Lap Belt
- Chest Strap
- Lateral Supports
- Scissor Table

### Documentation

- Quick Guide
- User Guide



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<sup>4</sup> Consult with an RCC – Assistive Technology Therapist regarding unspecified specifications for this device.





# Positioning Aids



## Hip Positioning Cushion

The Hip Positioning Cushion is used for sleep positioning to support and encourage neutral or abducted hip positioning while lying in bed.

### Specifications

	<b>XS</b>	<b>S</b>	<b>M</b>	<b>L</b>
<b>Dimensions</b> (L × W × H)	10 × 3 × 4 inches	14 × 14 × 5 inches	17 × 6 × 7 inches	20 × 8 × 8 inches
<b>Materials</b>	Velcro, open-cell foam, Cuddle® fabric			

### Available Accessories

- L Brackets
- Non-slip mat

### Documentation

- Quick Guide
- Sleep Positioning Guidelines (Supine and Side Lying)
- Sleep Positioning Safety Checklist



## Stander

Standers are used to help support children in a standing position when they are unable to do so on their own.

### Specifications<sup>5</sup>

	S	M	L	XL
<b>User height range</b>	24-40 inches	34-44 inches	38-48.25 inches	46-60 inches
<b>Materials</b>	Velcro, open-cell foam, polyester, polyurethane			

### Available Accessories

- Head rest
- Butterfly Harness
- Hip guides
- Chest strap
- Lateral supports
- Foot wedges and lifts
- Name plate

### Documentation

- Quick Guide
- Standing Guidelines



<sup>5</sup> Consult with an RCC – Assistive Technology Therapist regarding *unspecified specifications* for this device.



# Mobility



## Mini Wheels

The Mini Wheels is used to promote on-time mobility in infants and toddlers. The Mini Wheels allows children to move by pushing the wheels with their hands. This works well for children who have good upper extremity strength and head control. Most commercial infant seats fit this base (ie: Bumbo seat, Upseat, Ingenuity, etc).

### Specifications<sup>6</sup>

Seat widths: 14 inches

Materials: Birch plywood, water-based clear coat, polyurethane

### Documentation

- Quick Guide



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<sup>6</sup> Consult with an RCC – Assistive Technology Therapist regarding unspecified specifications for this device.

## Pommel Walker

The pommel walker provides full support to promote independent walking. It is adjustable to accommodate growth and is available in two sizes. It is intended for use by children aged 2 to 18 (within the maximum weight allowance).

### Specifications

	Mini	Junior
<b>Maximum weight</b>	100 lbs	150 lbs
<b>Inseam</b>	5 – 17 ½ inches	13 – 25 inches
<b>Materials</b>	Powder-coated steel, stainless steel, polyurethane, polyester	

### Documentation

- Quick Guide
- User Guide



## Stability Wheels

Stability wheels are supporting wheels installed on both sides of the rear wheel of a standard bicycle to assist with balance and independence while biking.

### Specifications

Bike sizes:	12 - 24 inch wheel diameter
Materials:	Powder coated steel, polyurethane, polyester
Upholstery:	Polyurethane

### Available Accessories

- Back Rest
- Attendant Handle

### Documentation

- Quick Guide
- User Guide
- Bike Modification Guide
- Stability Wheel Install Instructions



## Switch Adapted Ride-On Cars

The Switch Adapted Ride-On Cars are an adaptation to a commercial product. It uses a single switch that can be pushed by any part of the body to make the car drive forward.

### Specifications

Maximum weight:	Vary based on commercial product
Seat widths:	Vary based on commercial product
Materials:	Vary based on commercial product
Upholstery:	Vinyl, open-cell foam

### Available Accessories

If additional support is needed, please consult with an RCC – Assistive Technology Therapist.

### Documentation

- How to Choose Cars for Switch Adaptation





## Wild Thing

The Wild Thing uses a joystick or multiple buttons to provide the user with the ability to steer the device. It is equipped with large wheels to go through grass and outdoor spaces.

### Specifications<sup>7</sup>

Maximum weight: 100 lbs.

### Available Accessories

If additional support is needed, please consult with an RCC – Assistive Technology Therapist.

### Documentation

- Quick Guide



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<sup>7</sup> Consult with an RCC – Assistive Technology Therapist regarding unspecified specifications for this device.

## Winter Sled

The Winter Sled is a supportive winter mobility device. Availability of winter sleds can vary from year to year, please consult with a member of the AT team before submitting a request to confirm availability.

### Specifications<sup>8</sup>

Seat width: 16 inches

Materials: Birch plywood, water-based clear coat, PET-G, polyester

### Available Accessories

- Head rest
- Lateral supports
- Lap belt

### Documentation

- Quick Guide



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<sup>8</sup> Consult with an RCC – Assistive Technology Therapist regarding unspecified specifications for this device.




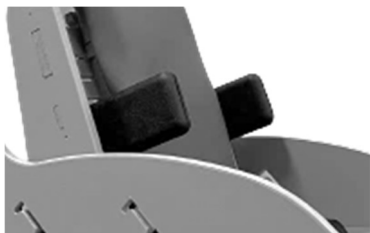



## Appendix A: Available Accessories

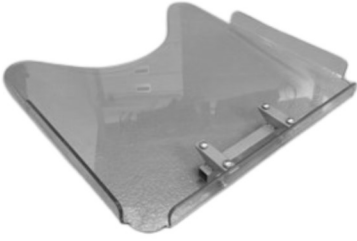
	<p>Attendant Handle</p>	<p>Extension of the stability wheels. Allows attendants to provide minimal support for children learning to ride a two-wheel bicycle.</p>
	<p>Attendant Stick</p>	<p>Allows attendants to provide minimal support for children learning to ride a two-wheel bicycle.</p> <p>Mounts under the seat. Required 2 inches under the seat to install.</p>
	<p>Back Rest (bicycle)</p>	<p>Provides support to the child to help with trunk control. Attaches to the Stability Wheel frame.</p>
	<p>Butterfly Harness</p>	<p>Provides support for users who have difficulty maintaining proper posture while seated.</p>
	<p>Chest Strap</p>	<p>Provides support for users who have difficulty maintaining proper posture while seated.</p>

	<p>Drop-in Pommel</p>	<p>Installed on wheelchairs to help maintain proper hip alignment and stability by preventing hip adduction.</p>
	<p>Foot Lifts</p>	<p>Used to compensate for leg length discrepancies in a standing frame.</p>
	<p>Footpod</p>	<p>Securely positions the user's feet to the foot pedal on a bike. Child <b>cannot</b> free feet independently. Also used to secure feet on wheelchair footplates for proper alignment and support.</p>
	<p>Foot Wedges</p>	<p>Used to angle foot pods on standing frames.</p>
	<p>Head Rest</p>	<p>Provides support and comfort for the user's head and neck.</p>



	<p>Hip Guides</p>	<p>Installed on the Tilt Stander to provide stability and comfort by preventing excessive sideways movements of the hips in standing frames.</p>
	<p>IV Poles</p>	<p>Installed on wheelchairs to provide a hook for IV bags, feeding bags, etc. They are angle adjustable to accommodate tilting wheelchairs.</p>
	<p>L Brackets</p>	<p>Used in sleep positioning with the Hip Positioning pillow to promote midline posture</p>
	<p>Lateral Supports</p>	<p>Provides stability and comfort by preventing excessive sideways movements of the body.  Particularly used in situations where it is important to maintain posture or alignment.</p>
	<p>Scissor Table</p>	<p>Provides a functional surface for the user eat, play, work, etc. Can be added on to the Cloud or Dino Chairs.</p>



	<p>Toe Cage (bicycle)</p>	<p>Assists with keeping the user's feet on the pedal. Child can free feet independently.</p>
	<p>Tray</p>	<p>Installed on wheelchairs, or ABC chairs to provide a functional surface for the user eat, play, work, etc.</p>



## Appendix B: Requisition Forms

If you would like to request an RCC product from this guide, please ask a clinician to fill out the relevant **Assistive Technology Requisition and Measurement Form** if applicable and submit it to the RCC Assistive Technology Department via Accuro or Fax.

Measurement forms can be found at <https://rccinc.ca/programs-services/assistive-technology/> under Forms and Resources.

Fax: 204-474-2387

# Appendix C: Alternative Access Controls Product Guide

Please see our Alternative Access Controls Product Guide for equipment that may better suite your needs. The Product Guide can be found at <https://rccinc.ca/programs-services/assistive-technology/> under Forms and Resources.

