

The Power of the PowerLink4 Control Unit!



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Today's Presenter



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Importance of Assistive Technology

- Access to the mainstream of life
- Builds self-confidence
- Empower choice making
- Prepares for employment and social interactions

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Your Students!



Goals of Session

- Increase knowledge of assistive technology tools and strategies
- Take away multiple ideas to integrate the Powerlink4 into your student's day



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How long have you been in the field?



How long have you been in the field?



Original PowerLink



How long have you been in the field?



Original PowerLink



PowerLink 2



How long have you been in the field?



Original PowerLink



PowerLink 2



PowerLink 3



How long have you been in the field?



Original PowerLink



PowerLink 2



PowerLink 3



PowerLink 4



Power of the PowerLink4



Power of the PowerLink4



Power of the PowerLink4



philips
CREATE YOUR WORLD

Power of the PowerLink4



Power of the PowerLink4



Power of the PowerLink4



Power of the PowerLink4



We know...

It is very difficult for many of our students to maintain pressure on a switch surface.

- Hands
- Head
- Cheek
- Chin
- Knee
- Foot



Six - Modes of Control

- **Direct:** Apply direct pressure
- **Timed Seconds:** Runs appliance from 1 to 99 seconds
- **Timed Minutes:** Runs appliance from 1 to 99 minutes
- **Latch:** First activation turns appliance ON; second activation turns it OFF.
- **Count:** Behaves like Direct, shows number of activations
- **Two-Switch:** Behaves like Direct, both switches must be activated



What Mode?



This student cannot sustain pressure with hands.



What Mode?

- **Direct:** Apply direct pressure
- **Timed Seconds:** Runs appliance from 1 to 99 seconds
- **Timed Minutes:** Runs appliance from 1 to 99 minutes
- **Latch:** First activation turns appliance ON; second activation turns it OFF.



What Mode?



This student is not able to sustain pressure with check.



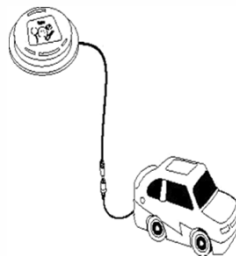
What Mode?

- **Direct:** Apply direct pressure
- **Timed Seconds:** Runs appliance from 1 to 99 seconds
- **Timed Minutes:** Runs appliance from 1 to 99 minutes
- **Latch:** First activation turns appliance ON; second activation turns it OFF.



Switches

A switch is an interface between an individual and an object of control.



Switches

Objects can be a toy, computer, radio, light, fan, blender, other appliance and even an app.



Variety of commercially available



- Micro Light
- Small Buddy Button
- Pillow
- Trigger Switch
- Grasp
- Plate
- Candy Corn



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Wireless Access

PowerLink4

- Controls two appliances
 - independent of each other

Jelly Beamer Transmitter

- Wireless control
 - Easy to Assign
 - No separate receiver needed
 - 30 feet transmission range, not line of sight



Limited Edition Jelly Beamer Snow

- Flexibility
 - Pass around
- Safety
 - Away from appliances
- Few Distractions
 - No cord to play with
- Easier Inclusion!
 - Participate from 30 feet away



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Wireless Switches



- Jelly Beamer wireless
- Jelly Beamer wireless SLAT
- Mini Beamer SLAT



Look no wires!



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Working Together with the PowerLink

- Enables Active Engagement
- Encourage Inclusion
- Fosters Independence



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Enables Participation

The principal of Active Engagement reinforces the belief that people have the best chance of learning if they are actively involved: and that active involvement, in even small pieces of an activity, empowers individuals.



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Encourage Inclusion

Including a person with severe disabilities in simple day to day opportunities can impact and change how others perceive them and how they feel about themselves, even if it is not obvious.

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Fosters Independence

Even if a person can not perform an entire task independently, they work towards independence and make an important and valuable contribution.

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Active Engagement





- Doing part of a task
- Real and functional
- Valued part
- FUN



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Classroom Opportunities

Assistive Technology	Model & Practice
<p data-bbox="427 1350 773 1381">PowerLink 4 and Switch</p> 	<p data-bbox="842 1350 1062 1381">Supply power to:</p> <ul style="list-style-type: none"> Lights Electric Stapler Paper Shredder Pencil Sharpener Blender Popcorn Popper Lava Lamp Electric Broom Radio/Tape/CD player 

Sharpening Pencils



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Build Cognitive Skills

This exploration builds crucial developmental skills which are essential to future learning.



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Blend Lunch



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Healthy Snacks



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<http://www.ablenetinc.com/Support/Remarkable-Ideas>

Remarkable Idea

1) Access

2) Communication

3) Environmental Control

Summary of Activity

Remarkable Idea

Getting Ready

Activity Steps

Script



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Math Time



Let's Count



Core Language Overlay



help 	change overlay 	stop
I want 	me 	you
bowling 	go 	strike
some 	more 	like



Remarkable Idea

"Bowling Fun For All"

Remarkable Professionals:
 Rosemary Leonard, RN
 Susan Kasperbauer, PhD
 Bob Lee, LCSW
 Project: 2014 National Recreation and Therapeutic Activities Conference
 Chicago, IL

1) Access

 By Hand

2) Communication

 Mouthpiece
 Mouthpiece

3) Environmental Control

 Mouthpiece

 Mouthpiece

 Mouthpiece

Summary of Activity



<http://www.youtube.com/watch?v=JB3AS5a753s>

<http://www.ablenetinc.com/Support/Remarkable-Ideas>



Red light / Green Light



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Move the Toy



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Core Language Overlay



help 	change overlay 	stop
I want 	me 	you
basketball 	go 	shoot
in 	more 	like

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Possible conversations lines for most simple activities (15 core words)

- mine
- all done
- that
- stop
- go
- here
- help
- more
- I
- want
- you
- it
- away
- like
- what

Total possible words and phrases 76



How to Choose Vocabulary for a Core Vocabulary Board Hybrid Lists

Gail Van Tatenhove took the Benajee lists* and compared them to other lists and to language samples from the devices of augmentative communication users. She came up with the following hybrid lists that she uses in clinical practice. These lists can be used to add new words for language learning and for communication expansion. (*Benajee, M., DiCarlo, C., & Buroso-Skokin, S. (2003). Core Vocabulary Determination for Toolmakers. *Augmentative and Alternative Communication, 28*, 87-73.)

Clinical Application of the Benajee List

First 8 Words:

1. all done	5. more
2. help	6. stop
3. want	7. that
4. mine	8. what

First 15 words:

1. all gone	6. I	11. Stop
2. away	7. it	12. that
3. go	8. like	13. want
4. help	9. here	14. what
5. here	10. more	15. you

First 30 Words:

1. again	11. I	21. out
2. all gone	12. in	22. put
3. away	13. it	23. some
4. big	14. like	24. stop
5. do	15. little	25. that
6. down	16. mine	26. there
7. get	17. more	27. up
8. go	18. my	28. want
9. help	19. off	29. what
10. here	20. on	30. you

First 50 Words:

1. again	14. get	27. mine	40. stop
2. all	15. go	28. more	41. tell
3. all done	16. good	29. my	42. that
4. away	17. happy	30. not	43. there
5. bad	18. help	31. now	44. turn
6. big	19. here	32. off	45. up
7. come	20. I	33. on	46. want
8. do	21. in	34. out	47. what
9. don't	22. it	35. play	48. where
10. down	23. like	36. put	49. who
11. drink	24. little	37. read	50. why
12. eat	25. make	38. see	51. you
13. feel	26. me	39. some	

Science Unit - UDL



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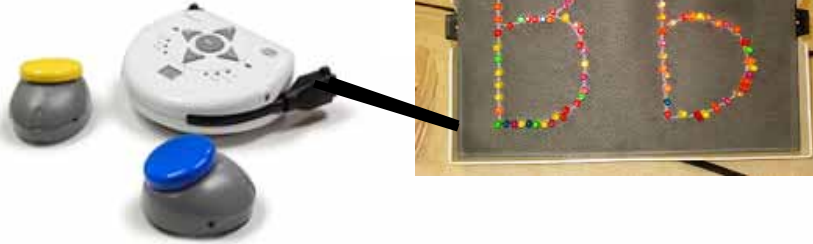
Themed Lessons



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Concepts of Print



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Science Fair Tornado Lesson



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Class Party!



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Celebrate -Blow out the candles!



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<http://www.ablenetinc.com/Support/Remarkable-Ideas>

Available Activities

- A Windy Day at the Races
- Forever Blowing Bubbles
- Staying Warm Like Penguins Do
- I Have a Dream

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Reading Light



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Weather Discussion

- Windy
- Sunny



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Lights



- turn on lights in the room
- holiday lights
- lights in a classroom tent
- lava lamps
- light sculptures
- backlight/spotlight



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Secondary/Vocational Ideas

Assistive Technology	Model & Practice
<p data-bbox="428 470 773 499">PowerLink 4 and Switch</p>  The image shows the PowerLink 4 device, a white circular unit with a control panel, and two switches: one with a yellow top and one with a blue top. A power cord is attached to the side of the device.	<p data-bbox="841 470 1062 499">Supply power to:</p> <ul data-bbox="841 508 1094 877" style="list-style-type: none">Tape RecorderCan crusherDrillHot glue gunElectric SanderElectric paper foldersPaper ShredderLaminatorEnvelope sealerVacuum Cleaner  The AbleNet logo is located in the bottom right corner of the table cell. It consists of the word "ablenet" in a white sans-serif font inside an orange oval, with the tagline "CREATING ACCESSIBLE SOLUTIONS" in smaller text below it.

Listening to Books on Tape



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Turn on Light



- Light to see
- Timer for activity
- Allows other to see from across room



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Industrial Arts Class



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Classroom Projects



Go Wireless! Plug an electrical appliance into the **Powerlink 4 Control Unit** to create a permanent Vocational skills center. Activate appliances using the **Jelly Beamer wireless switch**.

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Shredding Confidential Materials



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Shredding Confidential Papers



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Stapling the Newsletter



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Pet Care Unit



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Snacks for Sale



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Nail Salon



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CREATING ACCESSIBLE CONTENT

Watering Plants



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Dirt Dessert

Grind up Oreos in a food processor to make "dirt" dessert.



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Directions

- **Chop** cookies very fine in food processor.
- **Mix** butter, cream cheese, and sugar in bowl.
- In a large bowl **mix** milk, pudding and whipped topping together.
- Combine pudding mixture and **cream** mixture together.
- Layer in flower pot, starting with cookies then cream mixture. Repeat layers. **VOCA with verbal directions**
- Chill until ready to serve.
- Add artificial flower and trowel.

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Science Extension Activity



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Science Extension Activity



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Lighted Make-Up Mirror



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Coffee Time !



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Rinsing the Cups



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Coffee Delivery



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Clean Up



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Clean Up!

Using a PowerLink4 and a water pic, have one student control the flow as the other student washes the desks and/or tables.



Vacuumping the Classroom



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Give it Back!



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Fan or Blow-dryer Ideas

- Plug in **fan or blow-dryer**, to blow a pinwheel, windsock, or wind chimes or streamers.
- Use a food processor to mix up the ingredients to make recycled paper, use your **fan or blow-dryer** to dry it.
- Use **fan or blow-dryer** to blow paint or light-weight balls on an art project.
- Use a battery-operated **fan** or bubble machine fan to blow bubbles



Cooling Off!



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