



Texas School for the Blind and Visually Impaired Outreach Programs

www.tsbvi.edu | 512-454-8631 | 1100 W. 45th St. | Austin, TX 78756

Active Learning Study Group

January 21, 2016

3:00-4:00 PM

Presented by

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Outreach Programs

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Developed for

Texas School for the Blind & Visually Impaired

Outreach Programs

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Housekeeping

- Download handouts and sign-in roster
- Send sign-in roster to keithc@tsbvi.edu or fax to 512-206-9320
- Make sure you registered and complete evaluation within 60 days including code for ACVREP/SBEC credit
- View captions in a separate window at www.streamtext.net/text.aspx?event=TSBVI
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Adobe Connect Webinar Tour

- For tips about screen navigation go to http://www.connectusers.com/tutorials/2008/11/meeting_accessibility/
- Location of pods
- Power Point content included in your handout
- Poll participation – enter response in chat if you cannot access the poll

Link to enter room: <http://tsbvi.adobeconnect.com/active/>

Audio: US (Toll Free): 1-888-394-8197 and use access code 324844

Active Learning Study Group for January 21, 2016

Facilitated by

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Poll #1

Which fields have you completed so far?

- Gross Movement
- Fine Movement
- Mouth Movement
- Visual Perception
- Auditory Perception
- Haptic-Tactile Perception
- Olfactory & Gustatory Perception
- Spatial Perception
- Object Perception
- Language
- Social Perception
- Emotional Perception
- Perception through Play and Activity
- Toilet Skills
- Undressing & Dressing Skills
- Personal Hygiene Skills
- Eating Skills

Poll #2

Were you able to video tape your student?

- Yes
- No

Special Guests from Penrickton Center for Blind Children

Patty Obrzut and Jessica Russell

LiveBinder

<http://www.livebinders.com/edit/index/1781034?tabid=6b8f8bd0-10f7-fa99-8868-51a13eb5863b#>

Fine Movement Video

Clips of Kamryn at a Position Board and in a Little Room

Questions about Fine Movement

F002	Performs circular movements with arms – Not sure what type of movement we are looking for here?
F005	Grasps reflexively – Does this mean <u>ever</u> or <u>only</u> grasps this way?
F012	In the Little Room: learns various ways of grasping – Is this asking about having various ways of grasping or if grasping is one of the things she is doing in the Little Room?
F027	Grasps an object, most often by using left hand – How does this relate to F055?
F050	Grasps and release own feet – Elaborate on what we should be looking for?
F051	Manipulates own feet – In any particular way? Touches, scratches, ????
F055	Grasps using left or right hand without preference – See F027
F059	Uses the Little Room to promote object permanence – What does this mean?

Fine Movement Milestones – Our Student

Fine Movement Milestones			
Level	Milestones	Yes	No
0-3 months	Grasps reflexively; uses the ulnar grip (see F011)	✓	
3-6 months	Puts hands together; grasps and keeps objects	✓	
6-9 months	Picks up small objects using index finger and thumb; explores the characteristics of objects		✓
9-12 months	Uses pincer grip; turns over objects		✓
12-15 months	Uses palmar grip with elbow lifted up; claps hands		✓
15-18 months	Tears up a piece of paper; puts objects into a bowl or cardboard box		✓
18-24 months	Collects several objects in one hand		✓
24-30 months	Unscrews small lids		✓
30-36 months	Buttons 1-2 buttons		✓
36-42 months	Removes objects from pocket (in clothes) by hand		✓
42-48 months	Folds a piece of paper		✓

Our Student 0-3 months

Fine Movement					Level: 0-3 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F001	Sucks fist Puts back of wrist in mouth			12.15		Has had to mouth, bites back of hand		
F002	Performs circular movements with arms			✓ 12.15				
F003	Reaches for objects without grasping them More with right than left	✓ 12.15						
F004	Pushes objects within reach	✓ 12.15						
F005	Grasps reflexively	✓ 12.15						
F006	Closes hand around (e.g. hair, corner of clothes or bedclothes with passive thumb)	✓ 12.15						
F007	Releases grip without awareness Has a positive and purposeful release		✓ 12.15					

Fine Movement					Level: 0-3 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F008	Scratches skin, clothes, sheet	✓ 12.15						
F009	Shows interest in tactile and auditory feedback when reaching out Auditory especially bells, vibrating toothbrush – likes spikey balls, chains, rough not gritty	✓ 12.15				✓ 12.15		
F010	Repeats one or more movements after a break of 1-2 seconds	✓ 12.15						
F011	Uses the ulnar grip, fingers #3, 4, and 5 are the strongest, the thumb does not participate	✓ 12.15						
F012	In the Little Room: learns various ways of grasping		✓ 12.15					

Fine Movement					Level: 0-3 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F013	Moves an object to her mouth	✓ 12.15				12.15	✓ 12.15	
F014	Reaches towards dangling objects	✓ 12.15						

Our Student 3-6 months

Fine Movement					Level: 3-6 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F025	Opens and closes hand(s) Palm up usually, Left hand High motivation	✓ 12.15				✓ 12.15	12.15	
F026	Puts hands together Touching fingertips	✓ 12.15				✓ 12.15		
F027	Grasps an object, most often by using left hand	✓ 12.15						
F028	Practices stretching and flexing of fingers		✓ 12.15					
F029	Turns hands at wrists		✓ 12.15					

Fine Movement					Level: 3-6 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F030	Bangs himself, adults, and bedding with fist		✓ 12.15			✓ 12.15	✓ 12.15	
F031	Grasps objects by using all fingers	✓ 12.15				✓ 12.15		
F032	Manipulates own fingers	✓ 12.15				12.15 touching with fingertips		
F033	Repeats novel movements		✓ 12.15					
F034	Experiments with various ways of grasping		✓ 12.15					
F035	Grasps and keeps objects	✓ 12.15					✓ 12.15	
F036	Grasps objects with both hands		✓ 12.15			✓ 12.15	✓ 12.15	
F037	Releases voluntarily	✓ 12.15						
F038	Rubs her nose Rubs eye	✓ 12.15						
F039	Grasps a visual prompt Tammy's telephone, iPad	✓ 12.15				12.15		
F040	Grasps a tactile prompt	✓ 12.15						

Fine Movement					Level: 3-6 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F041	Grasps an auditory prompt Bells	✓ 12.15						
F042	Grasps a verbal prompt		✓ 12.15					
F043	Reaches with left hand for objects lying to his right On resonance board lying on back	✓ 12.15				✓ 12.15		
F044	Reaches with right hand for objects lying to his left On resonance board lying on back	✓ 12.15				✓ 12.15		
F045	Strokes hand over surfaces Raking but not really exploring		✓ 12.15					
F046	Uses the thumb while grasping R. thumb adducting majority of the time L. using thumb	✓ 12.15				✓ 12.15		
F047	Is now best in grasping with left hand	✓ 12.15						

Our Student 6-9 months

Fine Movement					Level: 6-9 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F049	Reaches and grasps successfully	✓ 12.15				✓ 12.15		
F050	Grasps and release own feet	✓ 12.15						
F051	Manipulates own feet		✓ 12.15					
F052	Uses fist to bang toys and table tops		✓ 12.15					
F053	Bangs with one hand on the object held in the other hand		✓ 12.15					
F054	Releases voluntarily	✓ 12.15						
F055	Grasps using left or right hand without preference Prefers left		✓ 12.15					
F056	Transfers an object from hand to hand		✓ 12.15					
F057	Bangs an object on the table top	✓ 12.15						
F058	Pushes objects	✓ 12.15						
F059	Uses the Little Room to promote object permanence							

Fine Movement					Level: 6-9 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
F060	Bangs two objects against each other		✓ 12.15					
F061	Picks up small objects using index finger and thumb		✓ 12.15					
F062	Grasps objects pushing them back and forth		✓ 12.15					
F063	Explores the characteristics of objects		✓ 12.15					
F064	Performs shaking-rattle movements	✓ 12.15						
F065	Picks up two objects holding one in each hand		✓ 12.15					

Gross Movement Video

Video clips of Kamryn working with her Physical Therapist, Mary Voelker

Questions about Gross Movement

G064 Practices to balance – Does this mean she tries to balance herself?

G080 Sitting: moves from one place to another – What are we looking for here?

G092 Balances while sitting – Does this mean she can maintain her balance while sitting?

G094 Sails on bottom or crawls towards objects thrown by the child – Does “sails” mean scooting on her bottom?

Gross Movement Milestones - Our Student

Gross Movement Milestones			
Level	Milestones	Yes	No
0-3 months	Can almost control head movements	✓	
3-6 months	Turns from prone to supine position	✓	
6-9 months	Turns from supine to prone position	✓	
9-12 months	Sits unsupported	✓	
12-15 months	Stands and walks unsupported		✓
15-18 months	Crawls upstairs		✓
18-24 months	Jumps		✓
24-30 months	Runs		✓
30-36 months	Rides a tricycle		✓
36-42 months	Jumps on one leg		✓
42-48 months	Performs forward rolls, runs fast		✓

Our Student 0-3 months

Gross Movement					Level: 0-3 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G001	Supine: thrusts heels against mattress	✓ 1.16						
G002	Supine: moves legs about	✓ 1.16						
G003	Supine: manoeuvres feet up and down like a bird wagging tail	✓ 1.16						
G004	Supine: moves arms & legs about	✓ 1.16						
G005	Supine: turns head from side to side	✓ 1.16						

Gross Movement					Level: 0-3 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G006	Supine: holds head in midline position	✓ 1.16						
G007	Prone: moves arms about	✓ 1.16						
G008	Prone: moves legs about	✓						
G009	Prone: moves head from side to side	✓ 1.16						
G010	Prone: lifts head for short period (TNR)	✓ 1.16						
G011	Prone: lifts head 45 degrees	✓ 1.16						
G012	Performs various head movements	✓ 1.16						
G013	Uses a Support Bench with a Head Support to facilitate the control of head, arm and leg movements			✓ 1.16				
G014	Uses a support Bench without a Head Support to facilitate the control of head, arm and leg movements			✓ 1.16				
G015	Uses the Little Room to promote feedback on movements	✓ 1.16						

Our Student 3-6 months

Gross Movement					Level: 3-6 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G025	Supine: turns on to right side	✓ 1.16						
G026	Supine: turns on to left side	✓ 1.16						
G027	Lying on side: turns on to back	✓ 1.16						
G028	Supine: extends arms towards foot/feet, grabs feet	✓ 1.16						
G029	Supine: grabs his foot taking it to his mouth			✓ 1.16				
G030	Supine: searches with feet for something to kick against	✓ 1.16						
G031	Supine: lifts head	✓ 1.16						
G032	Supine: moves legs about	✓ 1.16						
G033	Prone: uses fore-arms to support upper body	✓ 1.16						
G034	Prone: uses hands to support upper body		✓ 1.16					

Gross Movement					Level: 3-6 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
	(push up)							
G035	Prone: turns to supine	✓ 1.16						
G036	Displays fine control of head movements	✓ 1.16						
G037	Supine: moves forwards/backwards	✓ 1.16						
G039	Supine: coordinates arm and leg movements	✓ 1.16						
G040	Supine: manipulates own feet	✓ 1.16						
G041	Tonic-neck reflex ceases	✓ 1.16						
G042	Uses a Support Bench to facilitate coordination of arm and leg movements in prone position	✓ 1.16						

Our Student 6-9 months

Gross Movement					Level: 6-9 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G049	Supine: lifts head	✓ 1.16						
G050	Supine: turns to prone	✓ 1.16						
G051	Prone: moves arms and legs about simultaneously	✓ 1.16						
G052	Supine: thrusts feet against side of cot or other items	✓ 1.16						
G053	Rolls on floor		✓ 1.16					
G054	Prone: pulls legs up towards stomach	✓ 1.16						
G055	Prone : extends one arm to objects within reach	✓ 1.16						
G056	Prone: coordinates arm and leg movements		✓ 1.16					
G057	Standing on knees and forearms		✓ 1.16					
G058	Standing on knees and hands: sways forwards and backwards		✓ 1.16					

Gross Movement					Level: 6-9 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G059	Standing on knees and arms/hands: lifts head		✓ 1.16					
G060	Standing on knees and hands: reaches for an object while transferring the weight of body to the other arm		✓ 1.16					
G061	Prone: moves forwards		✓ 1.16					
G062	Jumps up and down while held on lap of adult		✓ 1.16					
G063	Placed upright: stands with support	✓ 1.16						
G064	Practices to balance	✓ 1.16				✓ 1.16 Practices sitting/ standing / balance		
G065	With support: sits with crossed legs	✓ 1.16				✓ 1.16 Able to sit on floor, reach in various directions		

Gross Movement					Level: 6-9 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G066	With support: sits on haunches, rises to standing position		✓ 1.16					
G067	Uses a Support Bench to develop back muscles and crawling		✓ 1.16					
G068	Uses HOPSA dress to promote feet and leg movements and enhance blood circulation		✓ 1.16					
G069	Uses the Esfef Board to promote muscular strength by kicking activities		✓ 1.16					

Our Student 9-12 months

Gross Movement					Level: 9-12 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G073	Prone: reaches for and pulls objects		✓ 1.16		When on wedge but not on floor			

Gross Movement					Level: 9-12 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G074	Sits in a floor chair			✓ 1.16				
G075	Without support sit on the floor	✓ 1.16						
G076	Sitting: coordinates head and arm movements	✓ 1.16						
G077	Counteracts spastic reactions in arms if any	NA						
G078	Tries to sit up from lying position			✓ 1.16	Parents report she is able to sit up independently, but not observed school			
G079	Sits up easily		✓ 1.16			Requires moderate assistance		
G080	Sitting: moves from one place to another		✓ 1.16					
G081	Lies down from a sitting position		✓ 1.16			Poor control but doesn't hit head		

Gross Movement					Level: 9-12 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G082	Rises to kneeling by holding on to furniture or the like		✓ 1.16					
G083	Rises to kneeling without holding on to anything		✓ 1.16					
G084	Crawls		✓ 1.16					
G085	Crawls over doorsteps or other low obstacles		✓ 1.16					
G086	Rises to standing position by holding on to furniture or the like		✓ 1.16					
G087	Stands by holding on to something	✓ 1.16				When placed is able to stand @ table		

Gross Movement					Level: 9-12 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G088	Stands with support by an adult: initiates walking movements without any prompts		✓ 1.16		Requires maximum prompts, weight shifting & taking steps (right more impaired)			
G089	Walks with support (held by both hands)		✓ 1.16		Moderate to maximum assistance			
G090	Walks sideways while holding on to sofa, coffee table or the like		✓ 1.16					
G091	Walks unsupported in the swimming pool			✓ 1.16				
G092	Balances while sitting	✓ 1.16						
G093	Crawls down from sofa, bed, soft chair			✓ 1.16				

Gross Movement					Level: 9-12 Months			
No.	Function	Yes	No	Don't Know	Was able to	Learning has begun	Performed in favorable conditions	Performs spontaneously
G094	Sails on bottom or crawls towards objects thrown by the child		✓ 1.16					
G095	Uses a Support Bench to promote unsupported sitting		✓ 1.16					
G096	Uses a HOPSA dress to promote leg movements in upright position		✓ 1.16					
G097	Uses the Esfef Board to promote kicking and hopping without bearing full weight		✓ 1.16					
G098	Uses the Little Room to compare movements and related feedback	✓ 1.16				✓ 1.16		Observed in the Little Room

Assessment Summary

	0-3 months	3-6 months	6-9 months	9-12 months	12-15 months	15-18 months	18-24 months	24-30 months	30-36 months	36-42 months	42-48 months
Gross Movement	92%	87%	42%	25%							
Fine Movement	70%	64%	34%	15%							
Mouth Movement											
Visual Perception											
Auditory Perception											
Haptic-tactile Perception											
Smell and taste											
Spatial Perception											
Object Perception											
Language Non-verbal											
Language Verbal											
Comprehension of Language											
Social Perception	50%	50%	100%	25%							
Emotional Perception	42%	50%	100%	20%							
Play and Activities											
Toileting Skills											
Undressing & Dressing											
Personal Hygiene											
Eating Skills											

Assessment Summary

We have questions.....how do you calculate if:

You check “no” at a lower level because they have moved past that stage?

You check “don’t know” on an item?

You check “yes” and “learning has begun”?

Assignments for February

- Complete 2 more fields in the assessment
- Videotape segments in play alone and in interaction with adult if you have not done so
- Post or send questions about assessment to Kate Hurst (hurstk@tsbvi.edu) before the January study group

Texas School for the Blind & Visually Impaired Outreach Programs



Figure 1 TSBVI logo.



This project is supported by the U.S. Department of Education, Special Education Program (OSEP). Opinions expressed here are the authors and do not necessarily represent the position of the Department of Education.

Figure 2 IDEAs that Work logo and OSEP disclaimer.