

Supplemental Figure S3. Transcripts of written picture descriptions (WAB Picnic Scene) not included in the main text for participants from the tDCS-first and sham-first groups before and after Phase 1 treatment, Phase 2 treatment, and at follow-up.

<i>tDCS-First</i>				
NF415 Pre1 (before tDCS)	Post1 (after tDCS)	Pre2 (before sham)	Post2 (after sham)	Follow-Up
<p>The young girl with sandcastle and shovel and bucket.</p> <p>The boy kite flying with the dog chases the boy</p> <p>The woman pouring the wine and the man reading book</p> <p>The car parking on driveway at the house</p> <p>The tree out forat the house The sailboat has sail and the nuember 407</p> <p>The old man (I am old guy) catches the fish!</p> <p>I am not catch for fish!!</p> <p>(Funny?)</p>	<p>House and by tree and shrub.</p> <p>The car is parking to front on front to house</p> <p>The sailboat has number 470 on sail and two peple people</p> <p>The fisheman is on pier and catching the fish</p> <p>The younyr girl is sandcatsle and have bucket and shose.</p> <p>The boy is flying the kite and dog is chasing the boy</p> <p>The couple has picnic and husband reading book</p> <p>The wife is pouring wine and cup</p> <p>The have music</p>	<p>The tree is leafs and the couple is eating the drinking wine.</p> <p>The music (radio) is soft.</p> <p>The house and carport and car parking in driveway</p> <p>The house two windows and shinrtd.</p> <p>The flag in blowing in wind.</p> <p>The behind house the forrest and right on house is lake.</p> <p>The lake has a pier and fisherman</p> <p>The lake has sailboat and 2 people and one person was wave.</p> <p>The boy was flying the kite and dog was looking for pinic</p> <p>The boy is looking at lake.</p>	<p>The couple is picnic.</p> <p>The woman is pouring wine to glass.</p> <p>The man is reading book.</p> <p>The man has sandle off the feet and bare feet.</p> <p>The couple has radio and listen music.</p> <p>The boy has fly and dog catching to boy.</p> <p>The sister on beach and building sandcastle. She has bucket and shove.</p> <p>The pier has fishman and catch fish.</p> <p>Wonderful!</p> <p>I not catching fish for one year!!</p> <p>The bay has sailboat and sailboat has two people.</p>	<p>The couple has pinpic.</p> <p>The woman has wine and bottle is glass.</p> <p>The man is reading book</p> <p>They is music and radio</p> <p>The boy is has fly kite and dog</p> <p>The house and shrubs.</p> <p>The car is outside.</p> <p>The tree by couple and house.</p> <p>Lake pier and girl fishing and the boy is fun is lake.</p> <p>The house past has forrest</p> <p>The flag is breeze</p>

			<p>The one waves to couple.</p> <p>The sail has number (407)</p> <p>Background picture has house.</p> <p>The house has tree in lawn and shrubs.</p> <p>The pathway has car outside garage.</p> <p>The right side house has flag</p>	
# CIUs 52.0 Informativeness 91.2 % Grammatical Sent 16.7 CIU Spelling 96.2 Writing Accuracy 86.0	# CIUs 57.0 Informativeness 77.0 % Grammatical Sent 11.1 CIU Spelling 94.7 Writing Accuracy 72.0	# CIUs 72.0 Informativeness 84.7 % Grammatical Sent 0.0 CIU Spelling 97.2 Writing Accuracy 79.1	# CIUs 81.0 Informativeness 77.9 % Grammatical Sent 6.3 CIU Spelling 96.3 Writing Accuracy 71.2	# CIUs 52.0 Informativeness 80.0 % Grammatical Sent 10.0 CIU Spelling 96.2 Writing Accuracy 75.4
LV408 Pre1 (before tDCS)	Post1 (after tDCS)	Pre2 (before sham)	Post2 (after sham)	Follow-Up
NT	<p>The family is having a wonderful time.</p> <p>The wife is pouring beverage in the glass and the husband is reading a book.</p> <p>The son is flying a kite with his dog following him.</p> <p>His sister is building a sandcastle with a shover and pail.</p>	<p>The family is enjoying the day.</p> <p>The wife is pour coffee from the thermos and the husband is engrossed in a book.</p> <p>The son is flying a kite with the dog by his side.</p> <p>The sister is at the edge of the lake. There is a sail boat in the lake.</p>	<p>The parents are on the sand.</p> <p>The father is reading a book + his wife is pouring a cup of coffee.</p> <p>The son is flying a kite with his dog standing beside him.</p> <p>His sister is playing in the sand.</p>	<p>Mom & Dad are across the street from their house.</p> <p>The wife is pouring him a beveraage.</p> <p>They haven't opened up the picknick container yet.</p> <p>Their son is flying a kite with his dog.</p> <p>His sister is near the lake and building a fort.</p>

	<p>In the disTance, a family is sailing. There is a fisherman who has just hauled in a fish for dinner.</p> <p>I don't know who lives on the lake though!</p>	<p>The family's house is just behind the mother and father.</p> <p>there is someone fishing in the deck</p>	<p>There is a man fishing off the pier while a sail boat is in the lake.</p> <p>There is a flag pole with a flag flying.</p> <p>The family's house is in back of the grown-up with the family car in the drive way</p>	<p>There are Two people in the sailboat.</p> <p>And there is someone on the pier.</p> <p>He is pulling in fish.</p> <p>The family lives very close to the.</p> <p>There is a flag in the yard and a car in the driveway.</p>
	<p># CIUs 63.0</p> <p>Informativeness 85.1</p> <p>% Grammatical Sent 87.5</p> <p>CIU Spelling 98.4</p> <p>Writing Accuracy 83.8</p>	<p># CIUs 64.0</p> <p>Informativeness 95.5</p> <p>% Grammatical Sent 75.0</p> <p>CIU Spelling 98.4</p> <p>Writing Accuracy 94.0</p>	<p># CIUs 72.0</p> <p>Informativeness 91.1</p> <p>% Grammatical Sent 87.5</p> <p>CIU Spelling 100.0</p> <p>Writing Accuracy 91.1</p>	<p># CIUs 80.0</p> <p>Informativeness 95.2</p> <p>% Grammatical Sent 80.0</p> <p>CIU Spelling 97.5</p> <p>Writing Accuracy 92.9</p>
LV416 Pre1 (before tDCS)	Post1 (after tDCS)	Pre2 (before sham)	Post2 (after sham)	Follow-Up
<p>Theres a big tree Car [in picture of garage]</p> <p>Sent man and a women in there</p> <p>son are haveven a micen</p> <p>The man is readin a book and women is drinking something & the son is FLY flying a key.</p> <p>Theres a dog, and, there there [picture of a boat] in the water</p>	<p>theres a tree</p> <p>there a house</p> <p>there peopo eaten</p> <p>Pole</p> <p>there a boy wi</p> <p>theres dog</p> <p>[picture of boat] with people</p> <p>(drawing) 1 - a man</p>	W/D	W/D	W/D
<p># CIUs 38.0</p> <p>Informativeness 84.4</p> <p>% Grammatical Sent 37.5</p>	<p># CIUs 21.0</p> <p>Informativeness 95.5</p> <p>% Grammatical Sent 12.5</p>			

CIU Spelling 84.2 Writing Accuracy 69.6	CIU Spelling 85.7 Writing Accuracy 78.3			
LV419 Pre1 (before tDCS)	Post1 (after tDCS)	Pre2 (before sham)	Post2 (after sham)	Follow-Up
<p>I this area there is a home building, car, tree, grass, and water area.</p> <p>Sitting on the grass a man + woman sit together.</p> <p>He is reading a book and she is holding on some items where there is a music + food.</p> <p>Near the water a main is flying a Fax.</p> <p>He is near a doog + in the water 3 people, each in diveren boods.</p>	<p>A man + womane are sitting under a tree on the soft ground.</p> <p>The man is reading + the woman is working with a paper.</p> <p>Behind then is a house with a car parked.</p> <p>Behind the house hare high trees or hills.</p> <p>Just off to the mountains is a water area.</p> <p>Between the people + the water is a yung boy flighig a kit above the water.</p> <p>A dog is standing with him but the dog is looking back to the two people.</p> <p>Oan the water is a boot fighying along an another one is just up to the land.</p> <p>One boy is doon near the water and playing with the water.</p>	<p>In this area there is a house with a car out side.</p> <p>Near by is a tall tree with a main + woman on the soft ground beneat the tree.</p> <p>The man is sitting and reading near the box of food.</p> <p>Just next to the food box is a woman that is working or playing with her hands.</p> <p>Near her is a box with music.</p> <p>Beyond those people is a man standing near the water, but just flying a [picture of kite] where a dog stands boy and looking back at the to people.</p> <p>Further near the water is a child sitting and playing the water + locks.</p> <p>Beyon there is a boat with one or two people.</p> <p>Beyond the water is larger mountains + trees.</p>	<p>At this location there is a house for people.</p> <p>At the outside is a car parked in front.</p> <p>Across the road is a tall tree where two people sent on a pad.</p> <p>The man is sitting and reading a bock.</p> <p>Next to him is a small box and on the other side is a woman working with things in her hands.</p> <p>Very near is a music box.</p> <p>Further to the right is a young man handling a kite over a water area.</p> <p>Near by to him is a nice dog.</p> <p>Beyond that sand is a broad water way in which there is a small child sitting on the rock or sand, and near by is a person catching for food.</p> <p>Even further out is a person in a boot.</p>	<p>This picture illustrates a day out doors near a water area with trees,</p> <p>The house has a car out side that would back up on a drive way.</p> <p>Beyond that is a broad flat area with a taat tree.</p> <p>A soft matearial is laid out and a man + woman sets on that.</p> <p>The man has a book that he is reading with his glasses one.</p> <p>Next to him is a box that is partly open.</p> <p>Across of the box is the woman also setting.</p> <p>She is pouring liquid in to a small container for drinking.</p> <p>To her left is a sound box.</p> <p>To the east of her is a tall kid that holds up a kite above the water area.</p> <p>He has a dog there looking back to the man + woman.</p>

			Across the way is a large area of trees.	<p>Beyond a small area toward the water area is a small container in the wet sand area.</p> <p>Beyond that at the water is a young boys sits + playing with the water + sand and may be fising.</p> <p>To the left of him is another person that is fishing.</p> <p>Further in the water is two people in a boat. Between the person with a kite is a post with a flag.</p> <p>Furth to the left beyond the water broad area beyond the watl there are high trees surrounding that area.</p>
# CIUs 53.0 Informativeness 79.1 % Grammatical Sent 42.9 CIU Spelling 94.3 Writing Accuracy 74.6	# CIUs 101.0 Informativeness 90.2 % Grammatical Sent 75.0 CIU Spelling 91.1 Writing Accuracy 82.1	# CIUs 108.0 Informativeness 89.3 % Grammatical Sent 40.0 CIU Spelling 94.4 Writing Accuracy 84.3	# CIUs 116.0 Informativeness 85.9 % Grammatical Sent 53.8 CIU Spelling 97.4 Writing Accuracy 83.7	# CIUs 175.0 Informativeness 80.3 % Grammatical Sent 50.0 CIU Spelling 97.7 Writing Accuracy 78.1
<i>Sham-first Group</i>				
<i>LV418</i> Pre1 (before sham)	Post1 (after sham)	Pre2 (before tDCS)	Post2 (after tDCS)	Follow-Up
<p>Young man and a woman are having a picnic on a blanket.</p> <p>The man is reading and the woman is pouring wine, as she was listing on the radio.</p>	<p>A man and a woman are on a carpet.</p> <p>The man is reading and the woman was pouring wine and listen to the radio.</p> <p>Another man was flying a kite and was near a dog.</p>	<p>A man and a woman are on a towel.</p> <p>The man is reading and the woman is poring a drink.</p> <p>They have a basket for food and they are listing to the radio.</p>	<p>A man and girl are sitting on a _____.</p> <p>The girl is poring a drink and listening on the radio.</p> <p>The boy is reading a book and he had dark glasses.</p>	<p>Man and wife is near a house with a car parked.</p> <p>The man and wife are sitting on a rug.</p> <p>The man is reading with glasses and the wife is getting a drink.</p> <p>They are listing on the radio.</p>

<p>Another man was flinging a kite and there is dog by the man.</p> <p>Two people are in a boat in a lake. A boy is playing on the sand.</p> <p>There is a flag near the house and a large tree by the house.</p> <p>There are many trees along the lake.</p> <p>There is a car by the garage.</p>	<p>The boy was by the water and playing in the sand.</p> <p>There is a house with a car and a flag, and a large tree.</p>	<p>They are under a large tree for shade.</p> <p>The other man was flying a kite, and his dog was playing.</p> <p>Another other boy was playing along the sand and someone was fishing on a pier.</p> <p>Several people were on the boat out on the lake and they can see forest our the lake.</p> <p>The car was out of the garage by the house, and a flag was flying.</p>	<p>They have a basket for a picnic and they are under a large tree.</p> <p>Another man is flying a kite and his dog is looking at the other people.</p> <p>There is a small boy on the sand and he is playing in the sand.</p> <p>Someone is on a dock fishing, and two other people are on a boat waving.</p> <p>The lake is sourned with trees.</p> <p>There is a car parked at the house.</p>	<p>They have food in a basket.</p> <p>Another man is flying a kite and a dog was watching the other people.</p> <p>Another man is playing in the sand near the water and two people are in a boat.</p> <p>The can see trees around the lake and a large tree by the house and a flag.</p>
<p># CIUs 82.0</p> <p>Informativeness 95.3</p> <p>% Grammatical Sent 70.0</p> <p>CIU Spelling 97.6</p> <p>Writing Accuracy 93.0</p>	<p># CIUs 54.0</p> <p>Informativeness 90.0</p> <p>% Grammatical Sent 83.3</p> <p>CIU Spelling 100.0</p> <p>Writing Accuracy 88.3</p>	<p># CIUs 89.0</p> <p>Informativeness 88.1</p> <p>% Grammatical Sent 85.7</p> <p>CIU Spelling 97.8</p> <p>Writing Accuracy 86.1</p>	<p># CIUs 91.0</p> <p>Informativeness 89.2</p> <p>% Grammatical Sent 85.7</p> <p>CIU Spelling 98.9</p> <p>Writing Accuracy 87.4</p>	<p># CIUs 83.0</p> <p>Informativeness 90.3</p> <p>% Grammatical Sent 72.7</p> <p>CIU Spelling 98.8</p> <p>Writing Accuracy 90.3</p>
LV410 Pre1 (before sham)	Post1 (after sham)	Pre2 (before tDCS)	Post2 (after tDCS)	Follow-Up
<p>Famaliy w/ HusB is reading & wife.</p> <p>Out to fishing near H2O</p> <p>Nature is builyg cascle in Sand</p> <p>Boy is playes w/ kikT wife god</p>	<p>Family aut for water tRip.</p> <p>Had dog, kike, moter bott, swim,</p> <p>Picknick w/ Flag Large Tree</p> <p>Home in yareer in car.</p>	<p>a vomil is in a park for having a fun timy!</p> <p>They were relaxing & eating.</p> <p>List kntoo.</p> <p>Flying Kites, Boants,?</p>	<p>Family for nice wether.</p> <p>Husband & Mon w/ Dog.</p> <p>Oltres min plae w/ Kits.</p> <p>LaRdge Botos Moter Bothes, & small poils too,</p>	<p>huspen & wife</p> <p>Bow kite</p> <p>Giirls plase in san d</p> <p>Dog pollots</p> <p>Man get a pisH</p>

Boat in waters		They had Pets & maye a small child.		Chiple in Boad
# CIUs 26.0 Informativeness 92.9 % Grammatical Sent 0.0 CIU Spelling 65.4 Writing Accuracy 60.7	# CIUs 16.0 Informativeness 80.0 % Grammatical Sent 0.0 CIU Spelling 81.3 Writing Accuracy 61.9	# CIUs 23.0 Informativeness 82.1 % Grammatical Sent 20.0 CIU Spelling 87.0 Writing Accuracy 69.0	# CIUs 13.0 Informativeness 72.2 % Grammatical Sent 0.0 CIU Spelling 61.5 Writing Accuracy 38.1	# CIUs 17.0 Informativeness 100.0 % Grammatical Sent 0.0 CIU Spelling 52.9 Writing Accuracy 50.0
NF424 Pre1 (before sham)	Post1 (after sham)	Pre1 (before tDCS)	Post2 (after tDCS)	Follow-Up
<p>It is a sunny day by the lake wherby two people are riding in a sailboat.</p> <p>On the shore a young boy is using a pale to scoop up water and man is fishing on the pior.</p> <p>One the shoreline a teenage boy is flying a kit with his dog beside him.</p> <p>They are standing by a flag which is waving in the wind.</p> <p>Further back from the shore, a man and woman are having a picnic.</p> <p>They are both sitting on a blanket.</p>	<p>It was a nice day at the lake with two people in a sailboat on the water and a small child playing on the bank with a pale and shovel.</p> <p>A older child is on the bank behind the boy flying a kite high above a flag pole as the wind blow them both in the air.</p> <p>A small dog by the older boy was standing looking at a couple on the sand having a picnic.</p> <p>The man was reading a book while the women was pour her a glass of water.</p>	W/D	W/D	W/D

<p>The blanket has a radio, picknic basket, and thongs on it.</p> <p>The young woman is poring wine and the young man is reading a book.</p> <p>Behind them is a house the house sits in back of a large tree with a car parked in the drive way.</p> <p>The day is pleasant and all the people are happy and enjoying their time.</p>	<p>Beside them was a picnic basket and a small radio.</p> <p>The blanket they were sitting on was in front of under a large tree that was in front of a car parked in the drive way of a house.</p>			
<p># CIUs 139.0</p> <p>Informativeness 96.5</p> <p>% Grammatical Sent 76.9</p> <p>CIU Spelling 97.1</p> <p>Writing Accuracy 93.8</p>	<p># CIUs 98.0</p> <p>Informativeness 91.6</p> <p>% Grammatical Sent 66.7</p> <p>CIU Spelling 98.0</p> <p>Writing Accuracy 88.8</p>			
LV409 Pre1 (before sham)	Post1 (after sham)	Pre2 (before tDCS)	Post2 (after tDCS)	Follow-Up
Could not write	Could not write			
LV413 Pre1 (before sham)	Post1 (after sham)	Pre2 (before tDCS)	Post2 (after tDCS)	Follow-Up
Could not write	Could not write	Could not write	Could not write	Could not write

Informativeness (Inform) = $[(\#CIUs/\#intelligible\ words)*100]$, CIU Spelling = Proportion of CIUs spelled correctly, Writing Accuracy = $[\#CIUs-(\#spelling\ errors)/(\#words + \#paragraphias + \#illegible\ words)*100]$; NT = Not Tested, W/D = Withdrawn