

Dear viewer, the following document provides the appendices for a manuscript (IJMS579) submitted to the International Journal of Language and Communication Disorders (2006). These appendices contain individual stimuli used in experimental measures employed during a longitudinal study investigating children's phonological representations, phonological awareness and speech development.

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The development of phonological representations in children with speech impairment

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Trial 2

Instructions given to children “You will hear me say the word ‘crocodile’. I want you to listen to how I say telephone. If I say it a good way or the right way – point to the green tick. If I say it a wrong way or not quite the right way – point to the red cross. Even if you think it’s nearly the right way – point to the red cross.” * = training items.

1. *Crocodile	/krÅk´dail/	typical production
2. *Giraffe	/dZlraf/	change stressed vowel
3. *Computer	/kImpjut´/	typical production
4. *Spaceship	/spaisSp/	change stressed vowel
5. *Monster	/mÅnst´/	typical production
6. Hospital	/hÅstplI/	common speech production error
7. Toaster	/tÅst´/	change unstressed vowel
8. Ambulance	/QmbjulIns/	typical production
9. Monster	/mounst´/	change stressed vowel
10. Computer	/kimpjut´/	change unstressed vowel
11. Crocodile	/krÅk´dail/	typical production
12. Spaceship	/speisSp/	typical production
13. Caterpillar	/kaut´plI´/	change stressed vowel
14. Banana	/blnan´/	typical production
15. Giraffe	/dZlraf/	typical production
16. Hospital	/haspltlI/	change stressed vowel
17. Ambulance	/QmbliIns/	common speech production error
18. Butterfly	/bÅt´flai/	change stressed vowel
19. Monster	/mÅnst´/	typical production
20. Caterpillar	/kQtaiplI´/	change unstressed vowel
21. Garage	/gQrldZ/	typical production
22. Crocodile	/krÅk´deil/	change stressed vowel
23. Computer	/kImpjut´/	typical production
24. Kangaroo	/kQNru/	delete unstressed syllable
25. Ambulance	/Qmbjulans/	change unstressed syllable
26. Spaceship	/speisSÅp	

Trial 3

Instructions provided were the same as trial 2.

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|-----|-------------|--------------------------|-----------------------------------|
| 1. | *Crocodile | /krÅk´dail/ | change stressed vowel |
| 2. | *Computer | /kImpjut´/ | typical production |
| 3. | *Spaceship | /spaiSp/ | change stressed vowel |
| 4. | Monster | /mÅnst´/ | typical production |
| 5. | Spaghetti | /spQgÅti/ | change stressed vowel |
| 6. | Ambulance | /Qmbj´llns/ | typical production |
| 7. | Gorilla | /gçrel´/ | change unstressed vowel |
| 8. | Caterpillar | /kQt´pll´/ | typical production |
| 9. | Giraffe | /dZlrÅf/ | change stressed vowel |
| 10. | Helicopter | /helikÅpt´/ | typical production |
| 11. | Hamburger | /hQmbeig´/ | change stressed vowel |
| 12. | Microphone | /maikrUfounM i c a n g e | u n s t r e s s e 2 8 . 2 (d v) |

3. /

Q taipll´

Spaghetti production /spQgeti/

51. Hamburger /hQmbÅg´

Appendix B

Non-word Learning Stimuli Lists

Instructions given to children. “We are going to learn some new words. First you will see pictures of the word and hear me say the name of the word. After you have learned about the word you will see and hear the word again. This time you will need to show me if the word is said the right way or a wrong way. If it is right point to the right of the word. If it is wrong point to the left of the word.”

Trial 2

Appendix C

Real and Non-word Repetition Task Word List

Instructions given to children. "I am going to say some words. I want you to say the words back to me. The first 10 words are words you will have heard before. The next group of words are made-up words that you will not have heard before."

Gymnasium	Helicopter	Ambulance	Volcano	Stopwatch
Asteroid	Frozen	Hospital	Australia	Kindergarten

Trail 1 - Non Word Stimuli

- | | |
|-------------------|----------------|
| 1. Steyboose | /steibus/ |
| 2. Flowdarshay | /floudaSei/ |
| 3. Kazartog | /k´zatÅg/ |
| 4. Munobleem | /m noublim/ |
| 5. Snaipouseedy | /snaipousidi/ |
| 6. Nookloudayshot | /nUkloudeiSÅt/ |
| 7. Chickoufer | /tSkoufœ |
| 8. Rangafayjop | /rQNg´feidZÅp/ |
| 9. Wigenzord | /wIglInzçd/ |
| 10. Yomwadgi | /jÅmwadZi/ |

Trial 2

- | | |
|-------------------|----------------|
| 1. stoufoodeykep | /stoufudeikep/ |
| 2. pauzemunt | /pauz´m nt/ |
| 3. vathernog | /vaTœÅg/ |
| 4. chengooplim | /tSeNuplIm/ |
| 5. ruzfeewikle | /r zfiwIkU/ |
| 6. dershoucromp | /dœSoukrÅmp/ |
| 7. straleespenook | /strQlispenuk/ |
| 8. gromlermnep | /grÅmlœnnep/ |
| 9. clouseihup | /klouseih p/ |
| 10. yawjoovain | /jçdZuvain/ |

Trial 3

- | | |
|---------------------|-----------------|
| 1. cherpleedek | /tʃɛplidɛk/ |
| 2. maglefaut | /magl'faut/ |
| 3. weamzugri | /wimzugri/ |
| 4. shonggurnfrad | /ʃɒŋgɔfrɔd/ |
| 5. tusgerbiv | /tʊsdʒɛrv/ |
| 6. koospraiduti | /kɔspraid'ti/ |
| 7. naizungflaikrep | /naiz'nfɛikrɛp/ |
| 8. yeedimprog | /jiɪdɪmprɔg/ |
| 9. horlibreswid | /hɔlɪbrɛswɪd/ |
| 10. tuckooyamwidgee | /tʊkɔjɔmwɪdʒi/ |

Appendix D