

## Phonological Analysis Exam example paper

### Data

Name: George (6;5 yrs)

Data used: picture naming task

	Orthographic Gloss	Adult Target	Child Realisation
1	HOUSE	haus	hau
2	SUN	sʌn	sʌn
3	SKY	skai	gai
4	GREEN	gɹin	gin
5	FLOWER	flauə	fauə
6	BUS	bʌs	ba
7	RED	.ɹɛd	wɛg
8	CARS	kɑz	kɑ
9	CRASH	kɹʌʃ	gag
10	TEDDY	tɛdi	gɛgi
11	BED	bɛd	bɛg
12	GIRL	gɜl	gɜl
13	DRESS	dɹɛs	gɛg
14	BLUE	blu	blu
15	SOCK	sɒk	gɒk
16	DOLLY	dɒli	gɒli
17	CLOWN	klaun	klan
18	NOSE	nəuz	nəu
19	TV	tivi	tivi
20	ROCKET	.ɹɒkɪt	wɒgɪg

	Orthographic gloss	Adult Target	Child Realisation
21	BABY	bɛibi	bɛibi
22	MUM	mʌm	mam
23	CHAIR	tʃɛə	gɛə
24	DOG	dɒg	gɒg
25	SNAKE	sneɪk	neɪk
26	HAND	hand	hand
27	FINGER	fɪŋgə	fɪŋgə
28	RING	.ɹɪŋ	wɪŋ
29	GLOVE	glʌv	glab
30	WATCH	wɒtʃ	wɒg
31	SPIDER	spaidə	baigə
32	WEB	wɛb	wɛb
33	FISH	fɪʃ	fɪg
34	FROG	fɹɒg	fɒg
35	CROWN	kɹaun	kan
36	KING HAT	kɪŋ hat	kɪŋ hag
37	VEST	vest	bɛg
38	TABLE	tɛɪbəl	dɛɪbəl
39	PLATE	plɛɪt	plɛɪd
40	KNIFE	naɪf	naɪf

### Additional data

	Orthographic Gloss	Adult Target	Child Realisation
41	UMBRELLA		ambɛlə
42	TEAPOT		gɪpɒd
43	COFFEE		kɒfi
44	JAM		gam
45	ORANGE		ɒwɪn
46	TRAIN		gɛɪn
47	BRIDGE		bɪg

	Orthographic Gloss	Adult Target	Child Realisation
48	LETTER		lɛgə
49	STAMP		gamp
50	ZIP		fɪb
51	VAN		ban
52	TEACHER		kɪgə
53	SCISSORS		gɪgə
54	SWEETIES		fɪgi

Attempt **all** the questions. Write your answers to (4)-(10) on the paper provided making sure that you number your answers and write your candidate number at the top of each sheet. The marks awarded for each question are indicated on the right. Total marks [100]

In addition to your answer paper, you will need to hand in each of the following:

- i. Phonological Sampling sheet
- ii. Phonetic and Phonological Systems Analysis (PPSA) sheet

	<b>Marks Awarded</b>
(1) Complete the table on the Phonological Sampling sheet to give the adult target forms for items <b>41-54</b> .	<b>2</b>
(2) Chart the data on the PPSA as appropriate for singleton consonants, clusters and vowels  NB. Make sure you chart <b>all</b> the data	<b>28</b>
(3) Complete the PPSA Error Pattern Summary (p. 2)	<b>10</b>
(4) (a) What evidence is there in the data of progressive variability?  NB. You should aim to provide as much detail as possible.	<b>12</b>
(b) Based on this data, which phonemes would you target in a stimulability assessment?	<b>3</b>
(5) How would you describe George's realisation of /t/ → [d] and /p/ → [b] word-finally? What is unusual about this error pattern?	<b>4</b>
(6) (a) Using process terms, give two alternative descriptions for the realisation of /s/ in 'sock'.	<b>2</b>
i.	
ii.	

- (b) Briefly describe the phonological processes involved in the realisation of /s/ → [g] in 'vest'. Specify which consonant each process applies to. 2
- (c) What is problematic about describing /z/ → [f] in 'zip' as a combination of fronting and voicing? 6
- (7) Why is it **not** appropriate to describe George as having a 'systematic sound preference'? 4
- (8) Give your initial hypothesis regarding George's differential diagnosis and outline the reasons for your decision. 5
- (9) If you were able to collect more data, which phonological process would you target first? Select **one** process and list the phoneme/s and word position/s you would prioritise, giving a brief rationale for your choice. 6
- (10) (a) List **four** new words you would use to elicit more data for **each** of the following. Transcribe these **phonetically**: 10
- i. diphthong reduction
  - ii. initial plosive + liquid clusters
  - iii. homorganic nasal + plosive clusters
  - iv. the semi-vowels
  - v. the class of sibilants
- (b) List **four** minimal pairs to use when targeting each of the following processes: 6
- i. realisation of /s/ as [d] word-initially
  - ii. deletion of /s/ and/or /z/ word-finally
  - iii. lowering of /ε/ and/or /Λ/