Benchmarking
Year 6 Primary Writing using
Adaptive Comparative Judgement

assess progress
Pragmatic assessment for schools

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School CFK

Thank you for agreeing to take part in the June 2018 Writing Assessment using Adaptive Comparative Judgement (ACJ).

Abstract: During June 2018, 14 schools took part in the ACJ judging of writing. This enabled 73 judges to make 4052 judgements on 413 pieces of children's work. On average each child's piece of work was judged 20 times. A score of 0.88 shows reliability to be high where 1 is the highest possible score and 0 the lowest. Traditional marking of pupils' work against rubrics usually scores between 0.4-0.5 for reliability.

All schools received the same instructions and all writers the same stimulus - a video - between 04.06.18 - 08.06.18. The video was downloaded by each school from https://www.literacyshed.com/dreamgiver.html. Writers' instructions were kept to a minimum: "You have 40 mins to write a narrative (story) based on the video stimulus, or write a recount of the video you have just watched". Writers had 5 mins to make notes before the writing time began. There was no additional scaffolding, modelling or use of success criteria.

This report summarises the results for your school, explains the figures, gives some background to ACJ and makes some further suggestions as to what you can do with the information that you have received to support teaching and learning in your school next year.

Introduction to ACJ

Adaptive Comparative Judgement uses a pairwise judgement engine to allow professional collective consensus (PCC) of writing. The PCC is the aggregate decision of 20 judges. The adaptive element of the Adaptive Comparative Judgement engine used in this assessment seeks to use its' algorithm to 'fine-tune' judgements by referring back to previous pairwise judgements involving the same scripts made by other judges rather than simple pairing scripts randomly. In this way, the algorithm can build confidence in the PCC rank placement for each script more quickly, avoiding unnecessary judgements that would result from non-adaptive script pairings, reducing the overall time required to reach a final PCC rank order, whilst maintaining a strong levels of overall assessment reliability. This does take slightly longer to assess a batch of writing (between 60 and 90 seconds per pair) but does offer the advantage of ensuring that judgements are based on a thorough understanding of the quality of each piece rather than a 'gut feeling'. Judges in ACJ sessions predominantly judge writers' work from other schools, rarely judging writing from their own school and even more rarely judging two pieces of writing from their school against each other. We think that this removes inherent bias in knowing the child and their 'struggle', recognising handwriting, etc. In doing this, schools can be confident that the final PCC rank order is derived from professional judgements that contain limited or no inherent bias.

Results from CFK school

Figure 1 shows the overall PCC rank obtained at the ACJ session in this trial. The horizontal axis shows the PCC rank position obtained by each pupil while the vertical axis shows the parameter value that piece of work obtained during the session. In this figure all results are anonymised.
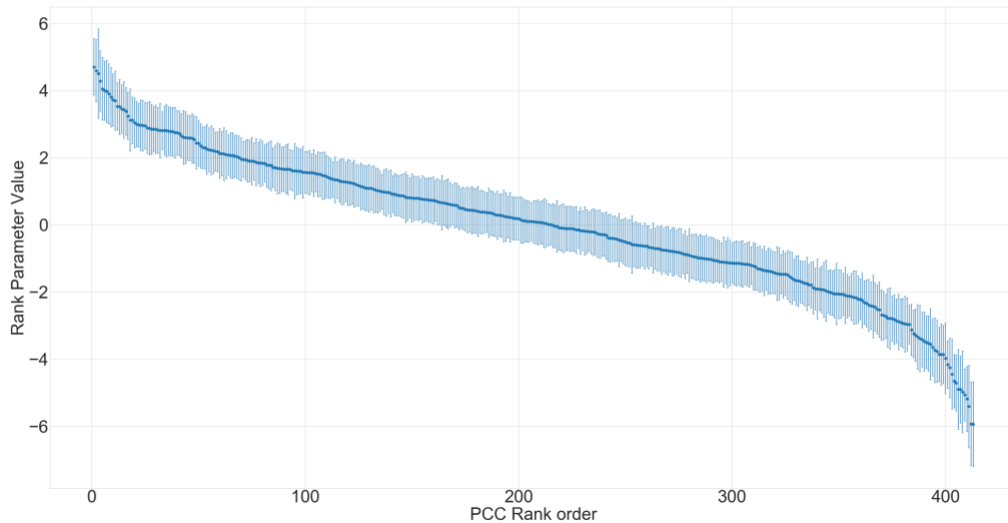

Figure 1. Parameter values as a function of the pupil PCC rank obtained in the CompareAssess session from June 2018. This is an anonymous illustrated example

Figure 2 shows an anonymised boxplot figure comparing your school with respect to all other schools in the trial. The orange line in the middle of the box shows the median value of the parameter rank of the schools group of pupils. The small circles that some schools display underneath the whiskers are outliers where one writer is significantly above or below the range of other writers in that particular school. The schools are ordered left to right by their median parameter value.
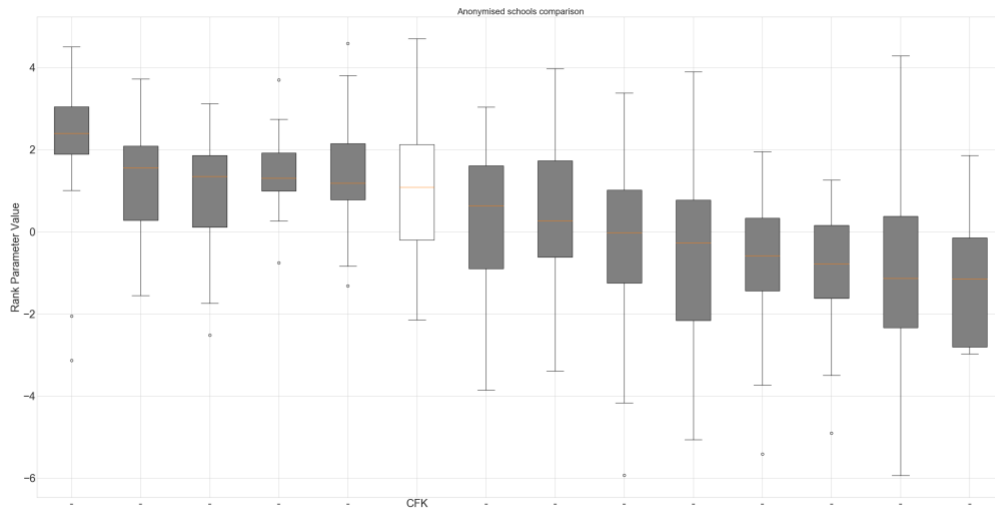
Figure 2. Anonymised box plot comparison of your school with all other schools in the CompareAssess session from June 2018.

Figure 3 shows a visualisation of the full PCC rank obtained in the session, highlighting in red the students from your school.
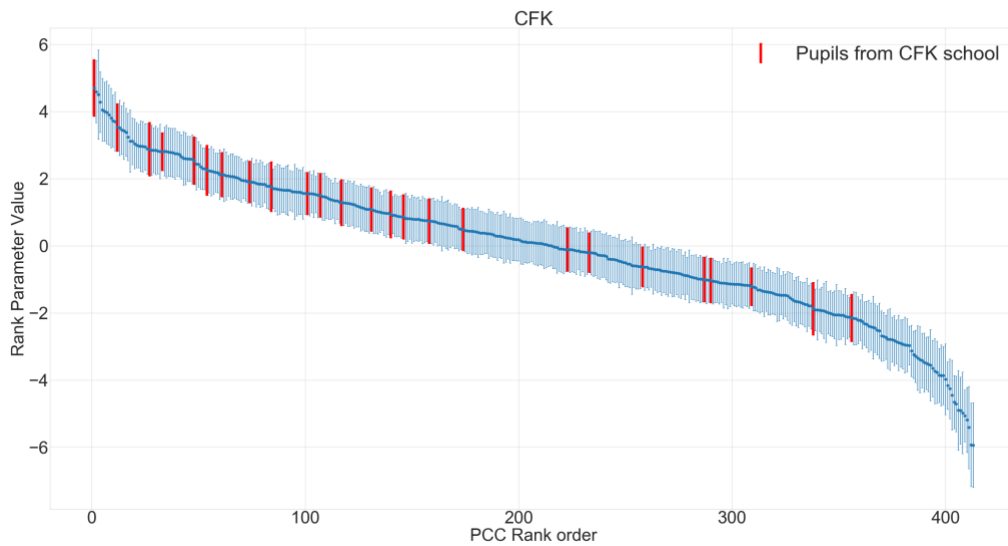

Figure 3. Pupils from your school (marked in Red) shown in relation to all of the pupils in the trial.

Figure 4 shows an anonymised boxplot comparison figure of your school with respect to all other schools in the same group (OEP). The schools are ordered left to right by their median parameter value.
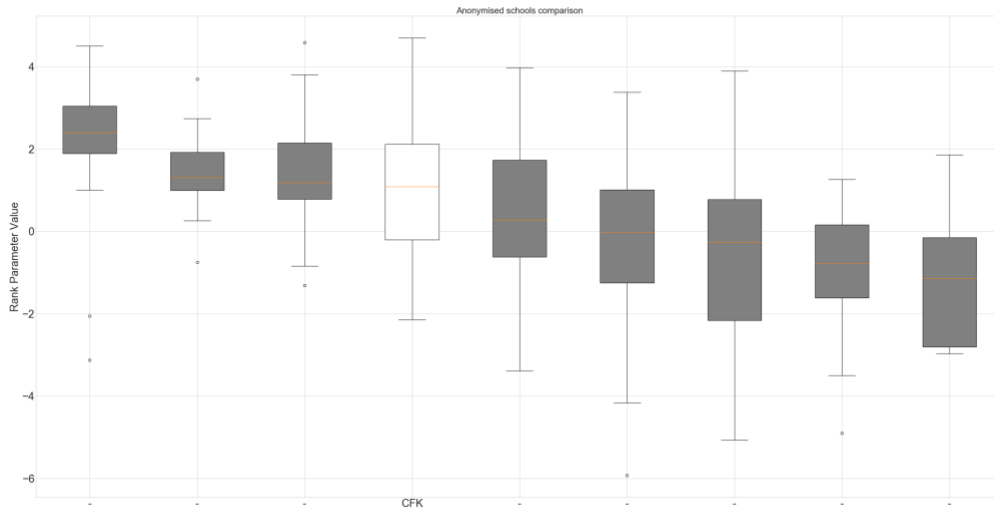

Figure 4. Anonymised box plot comparison of your school with all other schools in the OEP group.

Table 1 shows how each of the writers in your school performed in the ACJ session. You can see the writers' PCC rank in the full session when judged against the other 413 writers. The Full Session Quintile shown in percentage terms where the writers finished in comparison to the other writers as a percentage. The larger the number the higher the writers PCC rank. The school PCC rank is the rank order achieved when we compare the writers in your school only.

Table 1. Data table showing the results obtained by your school in the CompareAssess session from June 2018.

Student id	Rank parameter	Standard Error	School	Group	PCC Rank Full Session	Full Session Quantile	PCC Rank School	PCC Rank Region
EmilyV.pdf	4.7001643	0.8435761	CFK	OEP	1	99	1	1
HannahB.pdf	3.5263906	0.7085395	CFK	OEP	12	97	2	9
PravitN.pdf	2.878154	0.79642683	CFK	OEP	27	93	3	18
IzzyB.pdf	2.8084831	0.5627581	CFK	OEP	33	92	4	23
JackC.pdf	2.542057	0.7073837	CFK	OEP	48	88	5	31
IsabellaI.pdf	2.2529263	0.7453537	CFK	OEP	54	87	6	36
LilyM.pdf	2.1225607	0.6629568	CFK	OEP	61	85	7	41
HeidiZ.pdf	1.8995382	0.6201083	CFK	OEP	74	82	8	48
PatrickM.pdf	1.7658573	0.7394088	CFK	OEP	84	79	9	54
GeorgiaC.pdf	1.557355	0.6324004	CFK	OEP	101	75	10	61
CatherineN.pdf	1.5060334	0.6540287	CFK	OEP	107	74	11	63
OwenC.pdf	1.2889562	0.68520063	CFK	OEP	117	71	12	68
EleanorD.pdf	1.0833083	0.6498281	CFK	OEP	131	68	13	79
LewisT.pdf	0.94096994	0.6966186	CFK	OEP	140	66	14	84
WilliamH.pdf	0.86349905	0.6622311	CFK	OEP	146	64	15	88
BonnieA.pdf	0.7378119	0.6682722	CFK	OEP	158	61	16	95
AkaalsimarK.pdf	0.49218994	0.6356051	CFK	OEP	174	58	17	106
ConnorP.pdf	-0.11013875	0.6455112	CFK	OEP	223	46	18	135
AbbieT.pdf	-0.20241328	0.59391236	CFK	OEP	233	43	19	140
BenS.pdf	-0.6254927	0.5982533	CFK	OEP	258	37	20	151
RileyP.pdf	-1.0045612	0.66401786	CFK	OEP	287	30	21	169
JakeR.pdf	-1.0291463	0.663586	CFK	OEP	290	29	22	171
EthanN.pdf	-1.2160645	0.5595754	CFK	OEP	309	25	23	180
JakeW.pdf	-1.8705057	0.7806825	CFK	OEP	338	18	24	198
LiamR.pdf	-2.1441107	0.70131177	CFK	OEP	356	13	25	207