

Operational Form Development Update:

Distribution of Complexity/Increase Sophistication/Difficulty in Progressive Grades

Developed two forms per grade, per content area from field tested items.

Items were reviewed for p-values, bi-serials, bias reviews, content expectations, and alignment to the Webb requirements.

P-values distributions were deemed acceptable by research

No negative bi-serial were accepted on the operational tests

Biasing data was studied for acceptance/rejection

Webb indicators were all achieved

-Categorical Concurrence – The assessment must have six or more items per standard to meet alignment criteria.

-Depth-of-Knowledge (DOK) – At least 50% of assessment items must have the same level of DOK as the corresponding objectives.

-Range-of-Knowledge – At least 50% of objectives per standard were assessed.

-Balance of Representation – A balance of objectives to test items. For example, possible weaknesses could occur if one or more objectives have a relatively large number of test items.

2008 WESTEST2 VS. 2004 WESTEST1 OPERATIONAL FORM DEVELOPMENT												
	RLA			MATH			SS			SCI		
Grade	W2	W1	%Difference	W2	W1	%Difference	W2	W1	%Difference	W2	W1	%Difference
3	64	67	3	51	65	14/14	59	68	9/8	57	62	5/5
4	58	70	12	50	63	13/13	48	66	18/18	55	57	2/3
5	58	66	8	49	60	11/10	46	62	16/16	52	53	1/0
6	57	63	6	47	54	7/6	45	58	13/13	52	51	1/-1
7	55	63	8	46	51	5/5	52	59	7/8	51	54	3/3
8	54	62	8	42	54	12/13	48	60	12/13	47	52	5/5
9	52	n/a	n/a	36	n/a	n/a	48	n/a	n/a	37	n/a	n/a*
10	49	68	19	38	52	14/15	52	n/a	n/a	n/a	49	n/a*
11	47	n/a	n/a	36	n/a	n/a	42	n/a	n/a	n/a	n/a	n/a*
Average Across Grades	55	66	11/14	44	57	13/13	49	62	13/13	50	54	4/4

- Note: Science Tests for Grades 9 and 10 will not be developed until CSO revisions. Average p-values will decrease with the addition of grades 10 and 11 p-values.

*W2 is WESTEST 2 and W1 is WESTEST 1