DC CAS Science Target Blueprint

DC CAS Science Target Blueprints for 2014

Grade 5 Science - Operational Core (Target Blueprint)

Reporting Category	*MC*	*CR*	*Total Items*	*% Items*	*Total Points*	*% Points*
Science and Technology	14	0-1	14-15	30%	14-16	30%
Earth and Space Science	12	0-1	12-13	26%	12-14	26%
Physical Science	10	0-1	10-11	21%	10-12	21%
Life Science	11	0-1	11-12	23%	11-13	23%
TOTALS	**47**	**3**	**50**	**100%**	**53**	**100%**

Grade 8 Science - Operational Core (Target Blueprint)

Reporting Category	*MC*	*CR*	*Total Items*	*% Items*	*Total Points*	*% Points*
Scientific Thinking and Inquiry	8	0-1	8-9	18%	8-10	18%
Matter and Reactions	21	0-1	21-22	43%	21-23	43%
Forces	8	0-1	8-9	18%	8-10	18%
Energy and Waves	10	0-1	10-11	22%	10-12	22%
TOTALS	**47**	**3**	**50**	**100%**	**53**	**100%**

HS Biology - Operational Core (Target Blueprint)

Reporting Category	*MC*	*CR*	*Total Items*	*% Items*	*Total Points*	*% Points*
Cell-Biology and Biochemistry	14	0-1	14-15	29%	14-16	29%
Genetics and Evolution	15	0-1	15-16	31%	15-17	31%
Multicellular Organisms: Plants and Animals	9	0-1	9-10	20%	9-11	20%
Ecosystems	9	0-1	9-10	20%	9-11	20%
TOTALS	**47**	**3**	**50**	**100%**	**53**	**100%**

Blueprint Notes

> Reporting Category percentages are identical to the 2013 targets.

> To satisfy Range of Knowledge alignment criterion, at least 1 indicator from every standard should ideally be tested each year and every indicator should be tested within a three-year period. For 2014, exceptions may be necessary for grades 5, 8 and Biology due to item pool limitations.

> CR items are each worth two points and are scored with item-specific rubrics/scoring guides.

Anchor Items

> Items will contribute to operational tests.
> Items are distributed across all three sessions.
> **NOTE:** Anchor set for Science should consist of 23 MC items. Items in the Anchor set will be distributed across Strands in proportion to the overall blueprint. Wherever possible, an item will not serve as an anchor more than two years in sequence.

Embedded Field Test Items

> For 2014, 12 selected-response (SR) and two constructed-response (CR) items are embedded field test (EFT) in each of two forms (24 SR items and four CR items total).
> Items are field tested to fill operational slots in future years.
> A CR item will never be the last item of a session.
> Total EFT items are distributed across strands based upon the current or projected future gaps in the item pool.
> Item development plans are based upon the need to fill gaps in the RC percentages from OSSE's proposed blueprint for the rearticulated science standards (February 2010 version).