

Utah SAGE Science Blueprints

Grade 4 Science		
# of items (48 scored items)	Min	Max
Standard 4.I	17%	21%
Standard 4.II	17%	21%
Standard 4.III	17%	21%
Standard 4.IV	17%	21%
Standard 4.V	23%	27%
ILO1	29%	33%
ILO3	38%	42%
ILO4	27%	31%
ILO 5/6	N/A	N/A
DOK 1	8%	33%
DOK 2	8%	52%
DOK 3/4	25%	52%

Grade 5 Science		
# of items (45 scored items)	Min	Max
Standard 5.I	18%	22%
Standard 5.II	18%	22%
Standard 5.III	18%	22%
Standard 5.IV	18%	22%
Standard 5.V	18%	22%
ILO1	24%	29%
ILO3	22%	27%
ILO4	22%	27%
ILO5/6	22%	27%
DOK 1	9%	33%
DOK 2	9%	56%
DOK 3/4	25%	56%

Grade 6 Science		
# of items (54 scored items)	Min	Max
Standard 6.I	15%	19%
Standard 6.II	15%	19%
Standard 6.III	15%	19%
Standard 6.IV	15%	19%
Standard 6.V	15%	19%
Standard 6.VI	15%	19%
ILO1	26%	30%
ILO3	24%	28%
ILO4	22%	26%
ILO5/6	20%	24%
DOK 1	7%	33%
DOK 2	7%	46%
DOK 3/4	25%	46%

Grade 7 Science		
# of items (45 scored items)	Min	Max
Standard 7.I	18%	22%
Standard 7.II	18%	22%
Standard 7.III	18%	22%
Standard 7.IV	18%	22%
Standard 7.V	18%	22%
ILO1	22%	27%
ILO3	24%	29%
ILO4	20%	24%
ILO5/6	24%	29%
DOK 1	9%	33%
DOK 2	9%	56%
DOK 3/4	25%	56%

Grade 8 Science		
# of items (45 scored items)	Min	Max
Standard 8.I	24%	29%
Standard 8.II	18%	22%
Standard 8.III	24%	29%
Standard 8.IV	24%	29%
ILO1	27%	31%
ILO3	22%	27%
ILO4	22%	27%
ILO5/6	20%	24%
DOK 1	9%	33%
DOK 2	9%	56%
DOK 3/4	25%	56%

Earth Science		
# of items (45 scored items)	Min	Max
Standard ES.I	18%	22%
Standard ES.II	18%	22%
Standard ES.III	18%	22%
Standard ES.IV	18%	22%
Standard ES.V	18%	22%
ILO1	22%	27%
ILO3	22%	27%
ILO4	24%	29%
ILO5/ILO6	24%	29%
DOK 1	9%	33%
DOK 2	9%	56%
DOK 3/4	25%	56%

Biology		
# of items (45 scored items)	Min	Max
Standard BI.I	18%	22%
Standard BI.II	18%	22%
Standard BI.III	18%	22%
Standard BI.IV	18%	22%
Standard BI.V	18%	22%
ILO1	22%	27%
ILO3	22%	27%
ILO4	22%	27%
ILO5/ILO6	24%	29%
DOK 1	9%	33%
DOK 2	9%	56%
DOK 3/4	25%	56%

Chemistry		
# of items (54 scored items)	Min	Max
Standard CH.I	15%	19%
Standard CH.II	15%	19%
Standard CH.III	15%	19%
Standard CH.IV	15%	19%
Standard CH.V	15%	19%
Standard CH.VI	15%	19%
ILO1	22%	26%
ILO3	24%	28%
ILO4	22%	26%
ILO5/ILO6	24%	28%
DOK 1	7%	33%
DOK 2	7%	46%
DOK 3/4	25%	46%

Physics		
# of items (48 scored items)	Min	Max
Standard PH.I	23%	27%
Standard PH.II	17%	21%
Standard PH.III	17%	21%
Standard PH.IV	17%	21%
Standard PH.V	17%	21%
ILO1	21%	25%
ILO3	25%	29%
ILO4	21%	25%
ILO5/ILO6	25%	29%
DOK 1	8%	33%
DOK 2	8%	52%
DOK 3/4	25%	52%

Note: The percentages shown represent target aggregate values; individual student experiences will vary based on the adaptive algorithm.

DOK Blueprint Disclosure: Depth of Knowledge (DOK) is an essential component of the Science instruction. As such, DOK is integrated in all science items throughout the Student Assessment of Growth and Excellence (SAGE) and their respective blueprints. All students will see a variety of DOK and item difficulty on the summative SAGE. For more information about DOK please see: http://static.pdesas.org/content/documents/M1-Slide_22_DOK_Hess_Cognitive_Rigor.pdf