Student Growth Percentile Goodness–of–Fit Descriptives

2012 Chemistry SGP, Grade EOCT (N = 5,427)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Biology)

Below Proficient

(100%)

Median Student Growth Percentile

1 10 20 30 40 50 60 70 80 90 99

Student Growth Percentile Range

Prior Scale Score Decile/Range	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	
1st/[143,160)	10.29	9.90	10.67	9.90	9.52	10.67	9.52	10.48	10.10	8.95	(9.7%)
2nd/[160,164)	12.04	9.39	9.59	10.00	10.41	9.80	11.02	8.57	8.57	10.61	(9%)
3rd/[164,167)	7.67	9.62	10.93	9.62	9.46	10.44	8.81	11.42	11.42	10.60	(11.3%)
4th/[167,168)	10.34	10.84	8.37	10.84	12.32	8.37	7.88	8.87	11.33	10.84	(3.7%)
5th/[168,171)	8.89	9.95	9.42	9.81	9.02	10.74	11.67	10.34	9.42	10.74	(13.9%)
6th/[171,173)	12.43	10.63	10.63	10.48	10.33	8.98	8.83	8.83	9.28	9.58	(12.3%)
7th/[173,174)	8.68	10.17	9.93	9.93	10.92	10.67	8.93	9.43	9.43	11.91	(7.4%)
8th/[174,176)	11.48	9.80	11.76	8.96	9.80	12.32	9.52	9.24	10.08	7.00	(6.6%)
9th/[176,181)	7.97	9.37	9.23	10.21	8.81	8.39	11.33	11.61	12.31	10.77	(13.2%)
10th/[181,199]	10.16	10.59	9.73	10.16	10.73	10.73	9.59	9.44	8.58	10.30	(12.9%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100

Empirical SGP Distribution

0 10 20 30 40 50 60 70 80 90 100