



University of the State of New York  
State Education Department

## New York State Grade 8 Intermediate-Level Science Test May 2006

### Performance Levels Chart and Conversion Chart for Determining a Student's Final Test Score

The chart on the next page defines the four performance levels for this test. The state-designated level of performance for this test is a final score of 65 or higher (levels 3 and 4). Students scoring below 65 (levels 1 and 2) must be provided with academic intervention services according to section 100.2(ee)(i) of the Regulations of the Commissioner of Education. The chart provides the score intervals and a brief description of student abilities at each level.

The conversion chart is presented on the four pages following the performance levels chart. Be sure to use the correct portion of the chart. To determine the student's final test score, locate the student's raw score for the performance test across the top of the chart and the student's raw score for the written test down the left side of the chart. The point where those two raw scores intersect is the student's final test score. For example, a student receiving a performance test raw score of 30 and a written test raw score of 68 would receive a final test score of 80.

**Note:** Use for the May 2006 test only. Conversion charts provided for previous administrations of the Grade 8 Intermediate-Level Science Test must NOT be used to determine students' final scores for the 2006 administration of the test.

**Performance Levels  
Grade 8 Intermediate-Level Science Test**

<b>Level</b>	<b>Score Range</b>	<b>Description of Student Performance</b>
<b>4</b>	85 – 100	<p><b>Meeting the Standards with Distinction</b></p> <ul style="list-style-type: none"> <li>• Student demonstrates superior understanding of the intermediate-level science content and concepts for each of the learning standards and key ideas assessed.</li> <li>• Student demonstrates superior intermediate-level science skills related to each of the learning standards and key ideas assessed.</li> <li>• Student demonstrates superior understanding of the intermediate-level science content, concepts, and skills required for a secondary academic environment.</li> </ul>
<b>3</b>	65 – 84	<p><b>Meeting the Standards</b></p> <ul style="list-style-type: none"> <li>• Student demonstrates understanding of the intermediate-level science content and concepts for each of the learning standards and key ideas assessed.</li> <li>• Student demonstrates the science skills required for intermediate-level achievement in each of the learning standards and key ideas assessed.</li> <li>• Student demonstrates understanding of the intermediate-level science content, concepts, and skills required for a secondary academic environment.</li> </ul>
<b>2</b>	44 – 64	<p><b>Not Fully Meeting the Standards</b></p> <ul style="list-style-type: none"> <li>• Student demonstrates only minimal proficiency in intermediate-level science content and concepts in most of learning standards and key ideas assessed.</li> <li>• Student demonstrates only minimal proficiency in the skills required for intermediate-level achievement in most of the learning standards and key ideas assessed.</li> <li>• Student demonstrates marginal understanding of the science content, concepts, and skills required for a secondary academic environment.</li> </ul>
<b>1</b>	0 – 43	<p><b>Not Meeting the Standards</b></p> <ul style="list-style-type: none"> <li>• Student is <i>unable</i> to demonstrate understanding of the intermediate-level science content and concepts in most of the learning standards and key ideas assessed.</li> <li>• Student is <i>unable</i> to demonstrate the science skills required for intermediate-level achievement in most of the learning standards and key ideas assessed.</li> <li>• Student is <i>unable</i> to demonstrate evidence of the basic science knowledge and skills required for a secondary academic environment.</li> </ul>

Conversion Charts for Determining A Student's Final Test Score

Note: Use for May 2006 test only

Page 1	Prints upper left quarter of chart
Page 2	Prints lower left quarter of chart
Page 3	Prints upper right quarter of chart
Page 4	Prints lower right quarter of chart



## Performance Test Form A - Raw Score

	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25
<b>42</b>	62	61	61	60	60	60	60	59	59	59	59	58	58	58	58	58	57	57	57	57	57	57	57	57	57	57
<b>41</b>	61	60	60	60	59	59	59	58	58	58	58	57	57	57	57	57	57	57	57	57	56	56	56	56	56	56
<b>40</b>	60	60	59	59	58	58	58	58	57	57	57	57	56	56	56	56	56	56	56	56	55	55	55	55	55	55
<b>39</b>	59	59	58	58	58	57	57	57	56	56	56	56	56	55	55	55	55	55	55	55	55	55	54	54	54	54
<b>38</b>	58	58	57	57	57	56	56	56	56	55	55	55	55	55	54	54	54	54	54	54	54	54	54	53	53	53
<b>37</b>	58	57	57	56	56	56	55	55	55	54	54	54	54	54	54	53	53	53	53	53	53	53	53	53	52	52
<b>36</b>	57	56	56	55	55	55	54	54	54	54	53	53	53	53	53	53	52	52	52	52	52	52	52	52	52	52
<b>35</b>	56	55	55	55	54	54	54	53	53	53	53	52	52	52	52	52	52	52	51	51	51	51	51	51	51	51
<b>34</b>	55	54	54	54	53	53	53	52	52	52	52	52	51	51	51	51	51	51	51	50	50	50	50	50	50	50
<b>33</b>	54	54	53	53	52	52	52	52	51	51	51	51	51	50	50	50	50	50	50	50	49	49	49	49	49	49
<b>32</b>	53	53	52	52	52	51	51	51	50	50	50	50	50	50	49	49	49	49	49	49	49	49	48	48	48	48
<b>31</b>	52	52	52	51	51	50	50	50	50	49	49	49	49	49	49	48	48	48	48	48	48	48	48	47	47	47
<b>30</b>	51	50	50	49	49	49	48	48	48	48	47	47	47	47	47	47	47	46	46	46	46	46	46	46	46	46
<b>29</b>	50	49	49	49	48	48	48	47	47	47	47	46	46	46	46	46	46	46	45	45	45	45	45	45	45	45
<b>28</b>	49	49	48	48	47	47	47	46	46	46	46	46	45	45	45	45	45	45	45	44	44	44	44	44	44	44
<b>27</b>	48	48	47	47	47	46	46	46	45	45	45	45	45	44	44	44	44	44	44	44	44	43	43	43	43	43
<b>26</b>	47	47	46	46	46	45	45	45	45	44	44	44	44	44	44	43	43	43	43	43	43	43	43	43	42	42
<b>25</b>	46	45	45	44	44	44	43	43	43	43	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41	40
<b>24</b>	45	44	44	43	43	43	43	42	42	42	42	41	41	41	41	41	41	40	40	40	40	40	40	40	40	40
<b>23</b>	44	43	43	43	42	42	42	41	41	41	41	40	40	40	40	40	40	40	40	39	39	39	39	39	39	39
<b>22</b>	43	43	42	42	41	41	41	41	40	40	40	40	39	39	39	39	39	39	39	39	38	38	38	38	38	38
<b>21</b>	42	42	41	41	41	40	40	40	39	39	39	39	39	38	38	38	38	38	38	38	38	38	37	37	37	37
<b>20</b>	41	41	40	40	40	39	39	39	39	38	38	38	38	38	37	37	37	37	37	37	37	37	37	36	36	36
<b>19</b>	40	39	39	38	38	38	37	37	37	37	36	36	36	36	36	36	35	35	35	35	35	35	35	35	35	35
<b>18</b>	39	38	38	38	37	37	37	36	36	36	36	35	35	35	35	35	35	35	34	34	34	34	34	34	34	34
<b>17</b>	38	37	37	37	36	36	36	35	35	35	35	35	34	34	34	34	34	34	34	33	33	33	33	33	33	33
<b>16</b>	36	36	35	35	35	34	34	34	33	33	33	33	33	33	32	32	32	32	32	32	32	32	31	31	31	31
<b>15</b>	35	35	35	34	34	33	33	33	33	32	32	32	32	32	32	31	31	31	31	31	31	31	31	30	30	30
<b>14</b>	35	34	34	33	33	33	32	32	32	32	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	29
<b>13</b>	33	32	32	32	31	31	31	30	30	30	30	29	29	29	29	29	29	29	28	28	28	28	28	28	28	28
<b>12</b>	32	32	31	31	30	30	30	29	29	29	29	29	28	28	28	28	28	28	28	28	27	27	27	27	27	27
<b>11</b>	31	31	30	30	30	29	29	29	28	28	28	28	28	27	27	27	27	27	27	27	27	26	26	26	26	26
<b>10</b>	29	29	29	28	28	28	27	27	27	26	26	26	26	26	26	25	25	25	25	25	25	25	25	25	24	24
<b>9</b>	29	28	28	27	27	27	26	26	26	26	25	25	25	25	25	24	24	24	24	24	24	24	24	24	24	23
<b>8</b>	27	26	26	26	25	25	25	24	24	24	24	23	23	23	23	23	23	23	23	22	22	22	22	22	22	22
<b>7</b>	25	25	24	24	24	23	23	23	22	22	22	22	22	21	21	21	21	21	21	21	21	21	20	20	20	20
<b>6</b>	24	24	23	23	23	22	22	22	22	21	21	21	21	21	20	20	20	20	20	20	20	20	20	19	19	19
<b>5</b>	23	22	22	21	21	21	20	20	20	20	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18
<b>4</b>	22	21	21	21	20	20	20	19	19	19	19	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17
<b>3</b>	20	20	19	19	18	18	18	18	17	17	17	17	17	16	16	16	16	16	16	16	16	15	15	15	15	15
<b>2</b>	18	18	18	17	17	16	16	16	16	15	15	15	15	15	15	14	14	14	14	14	14	14	14	13	13	13
<b>1</b>	17	16	16	15	15	15	14	14	14	14	13	13	13	13	13	13	13	12	12	12	12	12	12	12	12	12
<b>0</b>	15	15	14	14	13	13	13	12	12	12	12	12	11	11	11	11	11	11	11	11	10	10	10	10	10	10

May 2006 Written Test - Raw Score

## Performance Test Form A - Raw Score

May 2006 Written Test - Raw Score

	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
85	95	95	94	94	94	94	94	94	93	93	93	92	92	92	91	91	90	90	89	89	88	87	87	86	85
84	94	94	94	93	93	93	93	93	92	92	92	92	91	91	90	90	89	89	88	88	87	86	86	85	84
83	92	92	92	92	92	91	91	91	91	90	90	90	89	89	89	88	88	87	87	86	85	85	84	83	82
82	91	91	91	91	91	91	90	90	90	90	89	89	89	88	88	87	87	86	86	85	85	84	83	82	82
81	91	90	90	90	90	90	90	89	89	89	88	88	88	87	87	87	86	86	85	84	84	83	82	82	81
80	90	90	89	89	89	89	89	88	88	88	88	87	87	87	86	86	85	85	84	84	83	82	82	81	80
79	89	89	89	88	88	88	88	88	87	87	87	86	86	86	85	85	84	84	83	83	82	81	81	80	79
78	88	88	88	88	87	87	87	87	86	86	86	86	85	85	84	84	84	83	82	82	81	81	80	79	78
77	87	87	87	87	86	86	86	86	86	85	85	85	84	84	84	83	83	82	82	81	80	80	79	78	77
76	86	86	86	86	86	85	85	85	85	85	84	84	84	83	83	82	82	81	81	80	80	79	78	77	77
75	85	85	85	85	85	85	84	84	84	84	83	83	83	82	82	81	81	80	80	79	79	78	77	76	76
74	85	84	84	84	84	84	84	83	83	83	83	82	82	81	81	81	80	80	79	78	78	77	76	76	75
73	84	84	83	83	83	83	83	82	82	82	82	81	81	81	80	80	79	79	78	78	77	76	76	75	74
72	83	83	83	82	82	82	82	82	81	81	81	80	80	80	79	79	78	78	77	77	76	75	75	74	73
71	82	82	82	82	81	81	81	81	81	80	80	80	79	79	79	78	78	77	77	76	75	75	74	73	72
70	81	81	81	81	81	80	80	80	80	79	79	79	78	78	78	77	77	76	76	75	74	74	73	72	71
69	80	80	80	80	80	80	79	79	79	79	78	78	78	77	77	76	76	75	75	74	74	73	72	71	71
68	79	79	79	79	79	79	78	78	78	78	77	77	77	76	76	76	75	75	74	73	73	72	71	71	70
67	78	78	77	77	77	77	77	77	76	76	76	75	75	75	74	74	73	73	72	72	71	70	70	69	68
66	77	77	77	76	76	76	76	76	75	75	75	75	74	74	73	73	72	72	71	71	70	69	69	68	67
65	77	77	77	76	76	76	76	76	75	75	75	75	74	74	73	73	72	72	71	71	70	69	69	68	67
64	76	76	76	76	75	75	75	75	75	74	74	74	73	73	73	72	72	71	71	70	69	69	68	67	66
63	75	75	75	75	75	74	74	74	74	73	73	73	72	72	72	71	71	70	70	69	68	68	67	66	65
62	74	74	74	74	74	74	73	73	73	73	72	72	72	71	71	70	70	69	69	68	68	67	66	65	65
61	74	73	73	73	73	73	73	72	72	72	71	71	71	70	70	70	69	69	68	67	67	66	65	65	64
60	73	73	72	72	72	72	72	71	71	71	71	70	70	70	69	69	68	68	67	67	66	65	65	64	63
59	72	72	72	71	71	71	71	71	70	70	70	69	69	69	68	68	67	67	66	66	65	64	64	63	62
58	71	71	71	71	70	70	70	70	69	69	69	69	68	68	67	67	67	66	65	65	64	64	63	62	61
57	70	70	70	70	69	69	69	69	69	68	68	68	67	67	67	66	66	65	65	64	63	63	62	61	60
56	69	69	69	69	69	68	68	68	68	68	67	67	67	66	66	65	65	64	64	63	63	62	61	60	60
55	68	68	68	68	68	68	67	67	67	67	66	66	66	65	65	64	64	63	63	62	62	61	60	59	59
54	68	67	67	67	67	67	67	66	66	66	66	65	65	64	64	64	63	63	62	61	61	60	59	59	58
53	67	67	66	66	66	66	66	65	65	65	65	64	64	64	63	63	62	62	61	61	60	59	59	58	57
52	66	66	66	65	65	65	65	65	64	64	64	63	63	63	62	62	61	61	60	60	59	58	58	57	56
51	65	65	65	65	64	64	64	64	64	63	63	63	62	62	62	61	61	60	60	59	58	58	57	56	55
50	64	64	64	64	64	63	63	63	63	62	62	62	61	61	61	60	60	59	59	58	57	57	56	55	54
49	63	63	63	63	63	63	62	62	62	62	61	61	61	60	60	59	59	58	58	57	57	56	55	54	54
48	62	62	62	62	62	62	61	61	61	61	60	60	60	59	59	59	58	58	57	56	56	55	54	54	53
47	62	61	61	61	61	61	61	60	60	60	60	59	59	59	58	58	57	57	56	56	55	54	53	53	52
46	61	61	60	60	60	60	60	60	59	59	59	58	58	58	57	57	56	56	55	55	54	53	53	52	51
45	60	60	60	59	59	59	59	59	58	58	58	58	57	57	56	56	55	55	54	54	53	52	52	51	50
44	59	59	59	59	58	58	58	58	58	57	57	57	56	56	56	55	55	54	54	53	52	52	51	50	49
43	58	58	58	58	58	57	57	57	57	56	56	56	55	55	55	54	54	53	53	52	51	51	50	49	48

**Grade 8 Intermediate-Level Science Conversion Chart - May 2006 - Page 4**
**Performance Test Form A - Raw Score**
**May 2006 Written Test Raw Score**

	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
42	57	56	56	56	56	56	56	55	55	55	54	54	54	53	53	53	52	52	51	50	50	49	48	48	47
41	56	56	55	55	55	55	55	54	54	54	54	53	53	53	52	52	51	51	50	50	49	48	48	47	46
40	55	55	55	54	54	54	54	54	53	53	53	52	52	52	51	51	50	50	49	49	48	47	47	46	45
39	54	54	54	54	53	53	53	53	52	52	52	52	51	51	50	50	50	49	48	48	47	47	46	45	44
38	53	53	53	53	52	52	52	52	52	51	51	51	50	50	50	49	49	48	48	47	46	46	45	44	43
37	52	52	52	52	52	51	51	51	51	51	50	50	50	49	49	48	48	47	47	46	46	45	44	43	43
36	51	51	51	51	51	51	50	50	50	50	49	49	49	48	48	47	47	46	46	45	45	44	43	42	42
35	51	50	50	50	50	50	50	49	49	49	49	48	48	47	47	47	46	46	45	44	44	43	42	42	41
34	50	50	49	49	49	49	49	48	48	48	48	47	47	47	46	46	45	45	44	44	43	42	42	41	40
33	49	49	49	48	48	48	48	48	47	47	47	46	46	46	45	45	44	44	43	43	42	41	41	40	39
32	48	48	48	48	47	47	47	47	47	46	46	46	45	45	45	44	44	43	43	42	41	41	40	39	38
31	47	47	47	47	47	46	46	46	46	45	45	45	44	44	44	43	43	42	42	41	40	40	39	38	37
30	45	45	45	45	45	45	44	44	44	44	43	43	43	42	42	42	41	41	40	39	39	38	37	37	36
29	45	44	44	44	44	44	44	43	43	43	43	42	42	42	41	41	40	40	39	39	38	37	36	36	35
28	44	44	43	43	43	43	43	43	42	42	42	41	41	41	40	40	39	39	38	38	37	36	36	35	34
27	43	43	43	42	42	42	42	42	41	41	41	41	40	40	39	39	38	38	37	37	36	35	35	34	33
26	42	42	42	42	41	41	41	41	41	40	40	40	39	39	39	38	38	37	37	36	35	35	34	33	32
25	40	40	40	40	40	40	39	39	39	39	38	38	38	37	37	36	36	35	35	34	34	33	32	31	31
24	40	39	39	39	39	39	39	38	38	38	37	37	37	36	36	36	35	35	34	33	33	32	31	31	30
23	39	39	38	38	38	38	38	37	37	37	37	36	36	36	35	35	34	34	33	33	32	31	31	30	29
22	38	38	38	37	37	37	37	37	36	36	36	35	35	35	34	34	33	33	32	32	31	30	30	29	28
21	37	37	37	37	36	36	36	36	35	35	35	35	34	34	33	33	33	32	31	31	30	30	29	28	27
20	36	36	36	36	35	35	35	35	35	34	34	34	33	33	33	32	32	31	31	30	29	29	28	27	26
19	34	34	34	34	34	34	33	33	33	33	32	32	32	31	31	30	30	29	29	28	28	27	26	25	25
18	34	33	33	33	33	33	33	32	32	32	32	31	31	30	30	30	29	29	28	27	27	26	25	25	24
17	33	33	32	32	32	32	32	31	31	31	31	30	30	30	29	29	28	28	27	27	26	25	25	24	23
16	31	31	31	31	30	30	30	30	30	29	29	29	28	28	28	27	27	26	26	25	24	24	23	22	21
15	30	30	30	30	30	29	29	29	29	28	28	28	27	27	27	26	26	25	25	24	23	23	22	21	20
14	29	29	29	29	29	29	28	28	28	28	27	27	27	26	26	25	25	24	24	23	23	22	21	20	20
13	28	27	27	27	27	27	27	26	26	26	26	25	25	25	24	24	23	23	22	22	21	20	19	19	18
12	27	27	26	26	26	26	26	26	25	25	25	24	24	24	23	23	22	22	21	21	20	19	19	18	17
11	26	26	26	25	25	25	25	25	24	24	24	24	23	23	22	22	21	21	20	20	19	18	18	17	16
10	24	24	24	24	24	23	23	23	23	22	22	22	21	21	21	20	20	19	19	18	17	17	16	15	14
9	23	23	23	23	23	23	22	22	22	22	21	21	21	20	20	19	19	18	18	17	17	16	15	14	14
8	22	22	21	21	21	21	21	20	20	20	20	19	19	19	18	18	17	17	16	16	15	14	14	13	12
7	20	20	20	20	19	19	19	19	18	18	18	18	17	17	16	16	16	15	14	14	13	13	12	11	10
6	19	19	19	19	18	18	18	18	18	17	17	17	16	16	16	15	15	14	14	13	12	12	11	10	9
5	17	17	17	17	17	17	16	16	16	16	15	15	15	14	14	13	13	12	12	11	11	10	9	8	8
4	17	16	16	16	16	16	16	15	15	15	15	14	14	13	13	13	12	12	11	10	9	8	8	7	7
3	15	15	15	14	14	14	14	14	13	13	13	12	12	12	11	11	10	10	9	9	8	7	6	5	5
2	13	13	13	13	13	12	12	12	12	11	11	11	10	10	10	9	9	8	8	7	6	6	5	4	3
1	11	11	11	11	11	11	10	10	10	10	9	9	9	8	8	8	7	7	6	5	5	4	3	2	2
0	10	10	9	9	9	9	9	9	8	8	8	7	7	7	6	6	5	5	4	4	3	2	1	0	0