

APPENDIX C

MCAS 2006–2007 FINAL RAW-SCORE TO SCALED-SCORE CONVERSION TABLES

Table C1: 2007 MCAS Grade 4 Raw-Score to Scaled-Score Conversions

| Grade 4 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|----------------------|---------------------------------------|-----------------------------|
| 0 | 200 | 200 |
| 1 | 200 | 200 |
| 2 | 202 | 202 |
| 3 | 202 | 202 |
| 4 | 202 | 204 |
| 5 | 202 | 204 |
| 6 | 204 | 204 |
| 7 | 204 | 206 |
| 8 | 204 | 206 |
| 9 | 204 | 206 |
| 10 | 206 | 208 |
| 11 | 206 | 210 |
| 12 | 206 | 210 |
| 13 | 206 | 212 |
| 14 | 208 | 212 |
| 15 | 208 | 214 |
| 16 | 208 | 214 |
| 17 | 208 | 216 |
| 18 | 210 | 216 |
| 19 | 210 | 216 |
| 20 | 210 | 216 |
| 21 | 210 | 218 |
| 22 | 212 | 218 |
| 23 | 212 | 218 |
| 24 | 212 | 220 |
| 25 | 214 | 220 |
| 26 | 214 | 220 |
| 27 | 214 | 222 |
| 28 | 214 | 222 |
| 29 | 216 | 224 |
| 30 | 216 | 226 |
| 31 | 216 | 226 |
| 32 | 216 | 228 |
| 33 | 218 | 228 |

(cont.)

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Table C1: 2007 MCAS Grade 4 Raw-Score to Scaled-Score Conversions (cont.)

| Grade 4 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|------------------------------|---|-------------------------------------|
| 34 | 218 | 230 |
| 35 | 218 | 232 |
| 36 | 218 | 232 |
| 37 | 220 | 234 |
| 38 | 220 | 236 |
| 39 | 220 | 236 |
| 40 | 220 | 238 |
| 41 | 222 | 240 |
| 42 | 224 | 242 |
| 43 | 226 | 244 |
| 44 | 226 | 248 |
| 45 | 228 | 250 |
| 46 | 230 | 254 |
| 47 | 230 | 256 |
| 48 | 232 | 260 |
| 49 | 234 | 262 |
| 50 | 236 | 266 |
| 51 | 238 | 268 |
| 52 | 240 | 274 |
| 53 | 240 | 280 |
| 54 | 242 | 280 |
| 55 | 244 | |
| 56 | 246 | |
| 57 | 248 | |
| 58 | 250 | |
| 59 | 252 | |
| 60 | 254 | |
| 61 | 258 | |
| 62 | 260 | |
| 63 | 264 | |
| 64 | 266 | |
| 65 | 270 | |
| 66 | 276 | |
| 67 | 280 | |
| 68 | 280 | |
| 69 | 280 | |
| 70 | 280 | |
| 71 | 280 | |
| 72 | 280 | |

Table C2: 2007 MCAS Grade 5 Raw-Score to Scaled-Score Conversions

| Grade 5 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score | Science and Technology/Engineering Scaled Score |
|-------------------|------------------------------------|--------------------------|---|
| 0 | 200 | 200 | 200 |
| 1 | 200 | 200 | 200 |
| 2 | 202 | 202 | 202 |
| 3 | 202 | 202 | 202 |
| 4 | 204 | 204 | 204 |
| 5 | 204 | 204 | 204 |
| 6 | 206 | 204 | 204 |
| 7 | 206 | 206 | 206 |
| 8 | 208 | 206 | 206 |
| 9 | 208 | 208 | 208 |
| 10 | 208 | 210 | 208 |
| 11 | 210 | 210 | 208 |
| 12 | 210 | 212 | 210 |
| 13 | 212 | 212 | 210 |
| 14 | 212 | 214 | 212 |
| 15 | 214 | 214 | 212 |
| 16 | 214 | 214 | 214 |
| 17 | 216 | 216 | 214 |
| 18 | 216 | 216 | 216 |
| 19 | 218 | 216 | 216 |
| 20 | 218 | 218 | 216 |
| 21 | 218 | 218 | 218 |
| 22 | 220 | 218 | 218 |
| 23 | 220 | 218 | 218 |
| 24 | 222 | 220 | 220 |
| 25 | 224 | 220 | 220 |
| 26 | 224 | 220 | 222 |
| 27 | 226 | 222 | 224 |
| 28 | 228 | 224 | 226 |
| 29 | 230 | 224 | 228 |
| 30 | 230 | 226 | 230 |
| 31 | 232 | 228 | 232 |
| 32 | 234 | 230 | 232 |
| 33 | 236 | 232 | 234 |
| 34 | 236 | 232 | 236 |
| 35 | 238 | 234 | 238 |
| 36 | 240 | 236 | 240 |
| 37 | 242 | 238 | 242 |
| 38 | 244 | 240 | 246 |
| 39 | 246 | 240 | 248 |
| 40 | 246 | 242 | 250 |

(cont.)

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Table C2: 2007 MCAS Grade 5 Raw-Score to Scaled-Score Conversions (cont.)

| Grade 5 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score | Science and Technology/ Engineering Scaled Score |
|------------------------------|---|-------------------------------------|---|
| 41 | 248 | 244 | 252 |
| 42 | 252 | 246 | 256 |
| 43 | 254 | 248 | 258 |
| 44 | 256 | 250 | 260 |
| 45 | 258 | 252 | 262 |
| 46 | 262 | 256 | 264 |
| 47 | 264 | 258 | 266 |
| 48 | 268 | 260 | 270 |
| 49 | 272 | 262 | 272 |
| 50 | 276 | 264 | 276 |
| 51 | 280 | 266 | 280 |
| 52 | 280 | 268 | 280 |
| 53 | | 274 | 280 |
| 54 | | 280 | 280 |

Table C3: 2007 MCAS Grade 6 Raw-Score to Scaled-Score Conversions

| Grade 6 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|----------------------|---------------------------------------|-----------------------------|
| 0 | 200 | 200 |
| 1 | 200 | 200 |
| 2 | 202 | 202 |
| 3 | 202 | 202 |
| 4 | 204 | 202 |
| 5 | 204 | 204 |
| 6 | 206 | 204 |
| 7 | 206 | 206 |
| 8 | 206 | 206 |
| 9 | 208 | 208 |
| 10 | 208 | 210 |
| 11 | 210 | 210 |
| 12 | 210 | 212 |
| 13 | 212 | 212 |
| 14 | 212 | 212 |
| 15 | 214 | 214 |
| 16 | 214 | 214 |
| 17 | 216 | 214 |
| 18 | 216 | 216 |
| 19 | 216 | 216 |
| 20 | 218 | 216 |
| 21 | 218 | 218 |
| 22 | 220 | 218 |
| 23 | 220 | 218 |
| 24 | 222 | 218 |
| 25 | 222 | 218 |
| 26 | 224 | 220 |
| 27 | 226 | 220 |
| 28 | 228 | 220 |
| 29 | 230 | 222 |
| 30 | 232 | 224 |
| 31 | 234 | 226 |
| 32 | 236 | 228 |
| 33 | 236 | 230 |
| 34 | 238 | 232 |
| 35 | 240 | 234 |
| 36 | 242 | 236 |
| 37 | 242 | 238 |
| 38 | 244 | 240 |
| 39 | 246 | 242 |
| 40 | 246 | 244 |
| 41 | 248 | 246 |

(cont.)

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Table C3: 2007 MCAS Grade 6 Raw-Score to Scaled-Score Conversions (cont.)

| Grade 6 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|------------------------------|---|-------------------------------------|
| 42 | 250 | 248 |
| 43 | 252 | 250 |
| 44 | 254 | 252 |
| 45 | 256 | 256 |
| 46 | 258 | 258 |
| 47 | 262 | 260 |
| 48 | 266 | 262 |
| 49 | 270 | 264 |
| 50 | 276 | 266 |
| 51 | 280 | 268 |
| 52 | 280 | 272 |
| 53 | | 276 |
| 54 | | 280 |

Table C4: 2007 MCAS Grade 7 Raw-Score to Scaled-Score Conversions

| Grade 7 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|----------------------|---------------------------------------|-----------------------------|
| 0 | 200 | 200 |
| 1 | 200 | 200 |
| 2 | 202 | 202 |
| 3 | 202 | 202 |
| 4 | 202 | 202 |
| 5 | 202 | 204 |
| 6 | 204 | 204 |
| 7 | 204 | 206 |
| 8 | 204 | 206 |
| 9 | 206 | 208 |
| 10 | 206 | 210 |
| 11 | 206 | 210 |
| 12 | 206 | 212 |
| 13 | 208 | 212 |
| 14 | 208 | 212 |
| 15 | 208 | 214 |
| 16 | 210 | 214 |
| 17 | 210 | 214 |
| 18 | 210 | 216 |
| 19 | 210 | 216 |
| 20 | 212 | 216 |
| 21 | 212 | 218 |
| 22 | 212 | 218 |
| 23 | 214 | 218 |
| 24 | 214 | 218 |
| 25 | 214 | 218 |
| 26 | 216 | 220 |
| 27 | 216 | 220 |
| 28 | 216 | 220 |
| 29 | 216 | 222 |
| 30 | 218 | 224 |
| 31 | 218 | 226 |
| 32 | 218 | 228 |
| 33 | 218 | 230 |
| 34 | 220 | 232 |
| 35 | 220 | 234 |
| 36 | 220 | 236 |
| 37 | 222 | 238 |
| 38 | 224 | 240 |
| 39 | 224 | 242 |
| 40 | 226 | 242 |
| 41 | 228 | 244 |

(cont.)

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Table C4: 2007 MCAS Grade 7 Raw-Score to Scaled-Score Conversions (cont.)

| Grade 7 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|------------------------------|---|-------------------------------------|
| 42 | 228 | 246 |
| 43 | 230 | 248 |
| 44 | 232 | 250 |
| 45 | 234 | 252 |
| 46 | 234 | 254 |
| 47 | 236 | 256 |
| 48 | 238 | 258 |
| 49 | 240 | 260 |
| 50 | 240 | 262 |
| 51 | 242 | 264 |
| 52 | 242 | 266 |
| 53 | 244 | 272 |
| 54 | 246 | 280 |
| 55 | 246 | |
| 56 | 248 | |
| 57 | 250 | |
| 58 | 252 | |
| 59 | 252 | |
| 60 | 254 | |
| 61 | 256 | |
| 62 | 258 | |
| 63 | 260 | |
| 64 | 264 | |
| 65 | 266 | |
| 66 | 270 | |
| 67 | 272 | |
| 68 | 278 | |
| 69 | 280 | |
| 70 | 280 | |
| 71 | 280 | |
| 72 | 280 | |

Table C5: 2007 MCAS Grade 8 Raw-Score to Scaled-Score Conversions

| Grade 8 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score | Science and Technology/Engineering Scaled Score |
|-------------------|------------------------------------|--------------------------|---|
| 0 | 200 | 200 | 200 |
| 1 | 200 | 200 | 200 |
| 2 | 202 | 202 | 202 |
| 3 | 202 | 202 | 202 |
| 4 | 204 | 204 | 204 |
| 5 | 204 | 204 | 204 |
| 6 | 206 | 204 | 204 |
| 7 | 206 | 208 | 206 |
| 8 | 208 | 210 | 206 |
| 9 | 208 | 212 | 208 |
| 10 | 210 | 212 | 210 |
| 11 | 210 | 214 | 210 |
| 12 | 212 | 214 | 212 |
| 13 | 212 | 214 | 212 |
| 14 | 214 | 216 | 212 |
| 15 | 214 | 216 | 214 |
| 16 | 216 | 216 | 214 |
| 17 | 216 | 216 | 216 |
| 18 | 218 | 218 | 216 |
| 19 | 218 | 218 | 216 |
| 20 | 220 | 218 | 216 |
| 21 | 220 | 218 | 218 |
| 22 | 222 | 218 | 218 |
| 23 | 224 | 220 | 218 |
| 24 | 226 | 220 | 220 |
| 25 | 226 | 220 | 220 |
| 26 | 228 | 222 | 220 |
| 27 | 230 | 222 | 222 |
| 28 | 232 | 224 | 224 |
| 29 | 234 | 226 | 226 |
| 30 | 234 | 228 | 228 |
| 31 | 236 | 230 | 228 |
| 32 | 238 | 232 | 230 |
| 33 | 240 | 232 | 232 |
| 34 | 240 | 234 | 234 |
| 35 | 242 | 236 | 236 |
| 36 | 244 | 238 | 238 |
| 37 | 244 | 240 | 238 |
| 38 | 246 | 242 | 240 |
| 39 | 246 | 242 | 242 |
| 40 | 248 | 244 | 244 |
| 41 | 250 | 246 | 244 |

(cont.)

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Table C5: 2007 MCAS Grade 8 Raw-Score to Scaled-Score Conversions (cont.)

| Grade 8 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score | Science and Technology/ Engineering Scaled Score |
|------------------------------|---|-------------------------------------|---|
| 42 | 250 | 248 | 246 |
| 43 | 252 | 250 | 248 |
| 44 | 254 | 252 | 250 |
| 45 | 256 | 254 | 252 |
| 46 | 258 | 256 | 254 |
| 47 | 262 | 258 | 256 |
| 48 | 264 | 260 | 258 |
| 49 | 268 | 262 | 262 |
| 50 | 272 | 264 | 264 |
| 51 | 278 | 266 | 270 |
| 52 | 280 | 268 | 276 |
| 53 | | 274 | 280 |
| 54 | | 280 | 280 |

Table C6: 2007 MCAS Grade 10 Raw-Score to Scaled-Score Conversions

| Grade 10 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|--------------------|------------------------------------|--------------------------|
| 0 | 200 | 200 |
| 1 | 200 | 200 |
| 2 | 202 | 202 |
| 3 | 202 | 202 |
| 4 | 202 | 204 |
| 5 | 202 | 204 |
| 6 | 204 | 206 |
| 7 | 204 | 206 |
| 8 | 204 | 208 |
| 9 | 206 | 212 |
| 10 | 206 | 214 |
| 11 | 206 | 214 |
| 12 | 206 | 216 |
| 13 | 208 | 216 |
| 14 | 210 | 218 |
| 15 | 210 | 218 |
| 16 | 212 | 218 |
| 17 | 212 | 218 |
| 18 | 212 | 218 |
| 19 | 214 | 220 |
| 20 | 214 | 220 |
| 21 | 214 | 220 |
| 22 | 216 | 220 |
| 23 | 216 | 222 |
| 24 | 216 | 224 |
| 25 | 216 | 226 |
| 26 | 218 | 228 |
| 27 | 218 | 228 |
| 28 | 218 | 230 |
| 29 | 218 | 232 |
| 30 | 218 | 234 |
| 31 | 218 | 236 |
| 32 | 220 | 238 |
| 33 | 220 | 238 |
| 34 | 220 | 240 |
| 35 | 220 | 242 |
| 36 | 222 | 244 |
| 37 | 224 | 246 |
| 38 | 224 | 246 |
| 39 | 226 | 248 |
| 40 | 228 | 250 |
| 41 | 230 | 252 |
| 42 | 230 | 254 |

(cont.)

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Table C6: 2007 MCAS Grade 10 Raw-Score to Scaled-Score Conversions (cont.)

| Grade 10 Raw Score | English Language Arts Scaled Score | Mathematics Scaled Score |
|--------------------|------------------------------------|--------------------------|
| 43 | 232 | 254 |
| 44 | 234 | 256 |
| 45 | 234 | 258 |
| 46 | 236 | 260 |
| 47 | 238 | 260 |
| 48 | 240 | 262 |
| 49 | 240 | 262 |
| 50 | 242 | 262 |
| 51 | 244 | 264 |
| 52 | 244 | 264 |
| 53 | 246 | 266 |
| 54 | 248 | 266 |
| 55 | 248 | 268 |
| 56 | 250 | 268 |
| 57 | 252 | 270 |
| 58 | 254 | 272 |
| 59 | 256 | 278 |
| 60 | 256 | 280 |
| 61 | 260 | |
| 62 | 260 | |
| 63 | 262 | |
| 64 | 264 | |
| 65 | 266 | |
| 66 | 268 | |
| 67 | 270 | |
| 68 | 274 | |
| 69 | 276 | |
| 70 | 280 | |
| 71 | 280 | |
| 72 | 280 | |

Table C7: 2007 MCAS High School Science Raw-Score to Scaled-Score Conversions

| Raw Score | Technology/Engineering Scaled Score | Chemistry Scaled Score | Physics Scaled Score | Biology Scaled Score |
|-----------|-------------------------------------|------------------------|----------------------|----------------------|
| 0 | 200 | 200 | 200 | 200 |
| 1 | 202 | 200 | 200 | 200 |
| 2 | 204 | 202 | 202 | 202 |
| 3 | 206 | 202 | 202 | 202 |
| 4 | 208 | 204 | 204 | 204 |
| 5 | 210 | 204 | 204 | 204 |
| 6 | 210 | 204 | 206 | 206 |
| 7 | 212 | 206 | 206 | 206 |
| 8 | 212 | 206 | 208 | 206 |
| 9 | 212 | 206 | 208 | 208 |
| 10 | 214 | 210 | 210 | 208 |
| 11 | 214 | 212 | 212 | 210 |
| 12 | 214 | 212 | 214 | 212 |
| 13 | 214 | 214 | 214 | 214 |
| 14 | 216 | 214 | 216 | 214 |
| 15 | 216 | 216 | 216 | 216 |
| 16 | 216 | 216 | 218 | 216 |
| 17 | 216 | 216 | 218 | 216 |
| 18 | 216 | 216 | 218 | 218 |
| 19 | 218 | 218 | 218 | 218 |
| 20 | 218 | 218 | 220 | 218 |
| 21 | 218 | 218 | 220 | 220 |
| 22 | 218 | 218 | 220 | 220 |
| 23 | 218 | 218 | 222 | 220 |
| 24 | 220 | 220 | 224 | 222 |
| 25 | 220 | 220 | 226 | 224 |
| 26 | 220 | 220 | 228 | 226 |
| 27 | 222 | 222 | 230 | 228 |
| 28 | 224 | 224 | 230 | 228 |
| 29 | 226 | 226 | 232 | 230 |
| 30 | 228 | 228 | 234 | 232 |
| 31 | 230 | 230 | 236 | 234 |
| 32 | 230 | 232 | 238 | 236 |
| 33 | 232 | 234 | 238 | 238 |
| 34 | 234 | 236 | 240 | 238 |
| 35 | 236 | 238 | 242 | 240 |
| 36 | 238 | 240 | 242 | 242 |
| 37 | 240 | 242 | 244 | 242 |
| 38 | 240 | 244 | 244 | 244 |
| 39 | 242 | 246 | 246 | 246 |
| 40 | 244 | 246 | 248 | 246 |
| 41 | 244 | 248 | 248 | 248 |

(cont.)

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Table C7: 2007 MCAS Grade 8 Raw-Score to Scaled-Score Conversions (cont.)

| Raw Score | Technology/Engineering Scaled Score | Chemistry Scaled Score | Physics Scaled Score | Biology Scaled Score |
|------------------|--|-----------------------------------|---------------------------------|---------------------------------|
| 42 | 246 | 250 | 250 | 248 |
| 43 | 246 | 252 | 250 | 250 |
| 44 | 248 | 254 | 252 | 250 |
| 45 | 248 | 256 | 254 | 252 |
| 46 | 250 | 258 | 254 | 254 |
| 47 | 252 | 258 | 256 | 254 |
| 48 | 254 | 260 | 258 | 256 |
| 49 | 254 | 262 | 260 | 258 |
| 50 | 256 | 262 | 260 | 260 |
| 51 | 258 | 264 | 262 | 260 |
| 52 | 260 | 264 | 262 | 262 |
| 53 | 262 | 266 | 264 | 264 |
| 54 | 264 | 266 | 264 | 264 |
| 55 | 266 | 268 | 266 | 266 |
| 56 | 268 | 270 | 268 | 268 |
| 57 | 270 | 272 | 270 | 270 |
| 58 | 274 | 276 | 274 | 274 |
| 59 | 280 | 280 | 280 | 278 |
| 60 | 280 | 280 | 280 | 280 |