

MEASURING GROWTH TOWARD COLLEGE READINESS:

Using MAP (Measures of Academic Progress) Scores to Predict Success on the ACT Test Benchmark Scores

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THIS STUDY EXPANDS THE AUTHORS' CONTINUING LINE OF RESEARCH TOWARD ACCURATELY ESTIMATING COLLEGE READINESS BENCHMARKS THROUGH ELEMENTARY AND MIDDLE GRADES IN MATHEMATICS AND READING. Benchmark scores established by ACT® (22 in mathematics and 21 in reading) were used as score criteria. The MAP® assessments were used in order to connect third through 11th grade student growth with college readiness. A large, multistate sample allowed for the extension of the authors previous analyses. The use of 11th grade MAP and ACT score correlations to backward map benchmark scores resulted in predictive accuracy beginning in grade 3. This study provides the current findings of a work in progress, whose final goal is a model for predicting college readiness.

Grade	Testing Season	READING				MATHEMATICS			
		ACT 16	ACT 24	ACT 29	ACT 32	ACT 16	ACT 24	ACT 29	ACT 32
Grade 3	Fall	179	205	216	221	179	207	217	222
Grade 3	Spring	189	213	224	229	188	220	234	241
Grade 4	Fall	190	214	225	231	189	217	228	234
Grade 4	Spring	197	221	231	236	197	227	240	246
Grade 5	Fall	196	220	231	236	197	228	241	247
Grade 5	Spring	204	226	235	240	207	240	253	260
Grade 6	Fall	203	226	236	241	205	239	252	258
Grade 6	Spring	209	230	239	244	214	246	258	265
Grade 7	Fall	207	229	239	244	211	242	254	261
Grade 7	Spring	212	232	241	246	217	248	260	267
Grade 8	Fall	212	232	241	246	216	247	259	266
Grade 8	Spring	215	235	244	249	221	253	265	272
Grade 9	Fall	214	234	244	249	220	250	262	268
Grade 9	Spring	216	237	246	251	223	255	268	274
Grade 10	Fall	217	237	246	251	224	253	265	272
Grade 10	Spring	219	239	248	253	225	258	271	277
Grade 11	Fall	220	242	252	257	228	258	270	277
Grade 11	Spring	219	243	254	260	229	262	275	282

Spring Grade 11 ACT College Readiness Benchmark Scores
 Reading ACT = 21 MAP Predictive Score = 237
 Mathematics ACT = 22 MAP Predictive Score = 258
 NOTE: Values were calculated by ACT from empirical data to identify the scores of students with a 50% likelihood of achieving a B average in a freshman-level course (ACT, 2009)

