

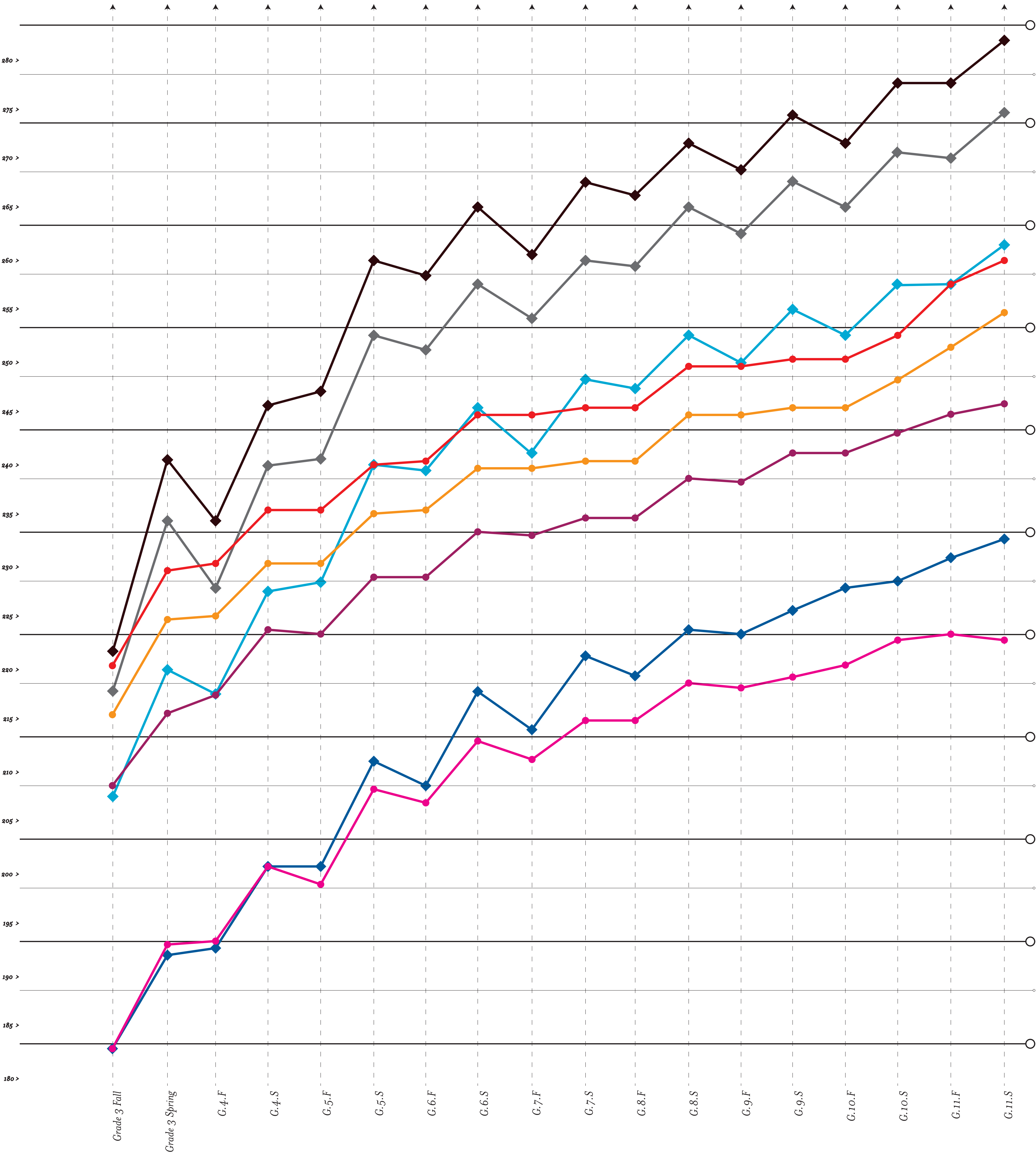
MEASURING GROWTH TOWARD COLLEGE READINESS:

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			
			Open Enrollment	State Universities	Top Public Universities	Ivy League	Open Enrollment	State Universities	Top Public Universities	Ivy League
			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)