Collaborations in College and Career Readiness Evaluation

Dave Heistad, Ph.D. Executive Director Research, Evaluation and Assessment
Pathways to GRADUATION

Personal Growth Plan for every student

Milestones are student growth targets that are predictive of career and college success.
Typical Pathways - Using Higher Ed Data

- Elite Private College
- University of Minnesota
- 4 Year College
- 2 Year/Tech College

Graph showing stages from Birth to Age 3 (Pre-School Ready), Ages 4-5 (Ready for Kindergarten), Grades K-3 (Reading by Third Grade), Grades 4-5 (Middle School Ready), Grades 6-8 (High School Ready), and Grades 9-12 (College & Career Ready).
Collaborating with Northwest Evaluation Association (NWEA) and T.I.E.S -K-12 Pathways to Graduation with MCAII and MCAIII Reading Targets

<table>
<thead>
<tr>
<th>Grade</th>
<th>Kindergarten</th>
<th>Grade 1</th>
<th>Grade 2</th>
<th>Grade 3</th>
<th>Grade 4</th>
<th>Grade 5</th>
<th>Grade 6</th>
<th>Grade 7</th>
<th>Grade 8</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 11</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MCA II Proficiency (dotted line)</td>
<td>184</td>
<td>195</td>
<td>204</td>
<td>211</td>
<td>217</td>
<td>221</td>
<td>224</td>
<td>226</td>
<td>228</td>
<td>229</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>On-course 2yr College</td>
<td>149</td>
<td>165</td>
<td>179</td>
<td>189</td>
<td>197</td>
<td>203</td>
<td>208</td>
<td>212</td>
<td>215</td>
<td>217</td>
<td>219</td>
<td>221</td>
</tr>
<tr>
<td></td>
<td>On-course 4yr College</td>
<td>158</td>
<td>176</td>
<td>190</td>
<td>200</td>
<td>207</td>
<td>213</td>
<td>218</td>
<td>221</td>
<td>224</td>
<td>226</td>
<td>228</td>
<td>230</td>
</tr>
<tr>
<td></td>
<td>On-course U of M</td>
<td>170</td>
<td>189</td>
<td>203</td>
<td>213</td>
<td>221</td>
<td>227</td>
<td>231</td>
<td>234</td>
<td>237</td>
<td>240</td>
<td>242</td>
<td>244</td>
</tr>
<tr>
<td></td>
<td>MCAIII Proficiency</td>
<td>195</td>
<td>205</td>
<td>214</td>
<td>217</td>
<td>223</td>
<td>228</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>On-course Carleton</td>
<td>183</td>
<td>200</td>
<td>213</td>
<td>222</td>
<td>229</td>
<td>234</td>
<td>239</td>
<td>242</td>
<td>245</td>
<td>248</td>
<td>251</td>
<td>254</td>
</tr>
</tbody>
</table>
To Engage Parents

Iphone and Android App

Pathway information for parents and students
Next Step Goal?

You Selected 4 year college. What is your goal for a 4 year college?

- Workforce
- Technical or 2 Year College
- 4 year college

- Attend a selective 4 year college.
- Be 4 year college ready.
- Be 4 year college eligible.

Your current long-term goal is: Four-Year College Ready

<table>
<thead>
<tr>
<th>Subject</th>
<th>Target</th>
<th>Your Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLAN English</td>
<td>15</td>
<td>21</td>
</tr>
<tr>
<td>PLAN Math</td>
<td>19</td>
<td>26</td>
</tr>
<tr>
<td>PLAN Reading</td>
<td>18</td>
<td>22</td>
</tr>
<tr>
<td>PLAN Science</td>
<td>20</td>
<td>24</td>
</tr>
<tr>
<td>PLAN Composite</td>
<td>19</td>
<td>23</td>
</tr>
</tbody>
</table>

LEGEND
✓ Meeting requirements  ❌ Not on track

Scores & Projected Growth

* Built on research (e.g. MAP, ACT and SLEDS)
Next Step Goal?

- Workforce
- Technical or 2 Year College
- 4 year college

You Selected 4 year college. What is your goal for a 4 year college?

- Attend a selective 4 year college.
- Be 4 year college ready.
- Be 4 year college eligible.

Community Service

42 hours

Log more hours

ACT World of Work Map

Employment History & Work-Based Learning Experiences

<table>
<thead>
<tr>
<th>EMPLOYER</th>
<th>JOB TITLE</th>
<th>DATES OF EMPLOYMENT</th>
<th>DUTIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kids Safari</td>
<td>Student Assistant</td>
<td>August 2015- present</td>
<td>homework helper, plan student activities</td>
</tr>
<tr>
<td>Smith Family</td>
<td>Summer Nanny</td>
<td>Summer 2015</td>
<td>Responsible for three children, ages 2, 6 &amp; 10</td>
</tr>
</tbody>
</table>

* Using data from Explore, PLAN, MCIS and DEEDS.
JHS and KHS 9th and 10th graders attending Math and Science classes at NCC
Pathways to College

PSEO

Concurrent Enrollment

Traditional Pathways

Innovative Pathways

Career & College Academy
Bloomington Public Schools
15-16 Career Pathways

★ Building and Construction Trades

★ Criminal Justice/Law Enforcement

★ EMT/EMR

★ Registered Nursing Assistant

★ Information Technology
Statewide Longitudinal Education Data Systems (SLEDS)

Sharing of information

K-12 Database

Higher Education Database

Jobs Earnings Database
## Initial SLEDS Discoveries

<table>
<thead>
<tr>
<th>School</th>
<th>Statewide</th>
<th>Kennedy</th>
<th>MPS Washburn</th>
<th>Highland Park</th>
<th>Fridley</th>
<th>St. Paul Central</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of students</strong></td>
<td>60,249</td>
<td>307</td>
<td>159</td>
<td>265</td>
<td>146</td>
<td>376</td>
</tr>
<tr>
<td><strong>Math Proficient (%)</strong></td>
<td>18,087 (34%)</td>
<td>122 (41%)</td>
<td>142 (17%)</td>
<td>78 (32%)</td>
<td>59 (35%)</td>
<td>149 (42%)</td>
</tr>
<tr>
<td><strong>ACT Mean</strong></td>
<td>22.32</td>
<td>21.6</td>
<td>19.0</td>
<td>22.3</td>
<td>21.2</td>
<td>22.28</td>
</tr>
<tr>
<td><strong>College in Mn</strong></td>
<td>30,927 (51%)</td>
<td>173 (58%)</td>
<td>70 (47%)</td>
<td>143 (54%)</td>
<td>97 (61%)</td>
<td>188 (50%)</td>
</tr>
<tr>
<td><strong>Outside Mn</strong></td>
<td>9,181 (15%)</td>
<td>29 (10%)</td>
<td>35 (24%)</td>
<td>51 (19%)</td>
<td>17 (11%)</td>
<td>88 (23%)</td>
</tr>
<tr>
<td><strong>2nd year enroll</strong></td>
<td>40,181 (81%)</td>
<td>245 (93%)</td>
<td>116 (84%)</td>
<td>204 (91%)</td>
<td>120 (80%)</td>
<td>283 (85%)</td>
</tr>
<tr>
<td><strong>3rd year enroll</strong></td>
<td>35,573 (72%)</td>
<td>215 (81%)</td>
<td>95 (69%)</td>
<td>176 (78%)</td>
<td>103 (69%)</td>
<td>260 (79%)</td>
</tr>
<tr>
<td><strong>4th year enroll</strong></td>
<td>31,810 (64%)</td>
<td>191 (72%)</td>
<td>85 (62%)</td>
<td>153 (68%)</td>
<td>88 (59%)</td>
<td>229 (69%)</td>
</tr>
<tr>
<td><strong>Certificate, Diploma, or Higher</strong></td>
<td>29,707 (49%)</td>
<td>176 (57%)</td>
<td>64 (40%)</td>
<td>134 (51%)</td>
<td>76 (42%)</td>
<td>197 (52%)</td>
</tr>
<tr>
<td><strong>Associate Degree of Higher</strong></td>
<td>26,063 (43%)</td>
<td>159 (52%)</td>
<td>48 (30%)</td>
<td>117 (44%)</td>
<td>64 (36%)</td>
<td>174 (46%)</td>
</tr>
<tr>
<td><strong>Bachelor’s Degree</strong></td>
<td>20,283 (34%)</td>
<td>127 (41%)</td>
<td>35 (22%)</td>
<td>94 (35%)</td>
<td>52 (29%)</td>
<td>146 (39%)</td>
</tr>
<tr>
<td><strong>Degree or Certificate within 4 years</strong></td>
<td>16,503 (27%)</td>
<td>108 (35%)</td>
<td>40 (25%)</td>
<td>96 (36%)</td>
<td>37 (21%)</td>
<td>112 (30%)</td>
</tr>
<tr>
<td><strong>Degree or Certificate within 6 years</strong></td>
<td>29,707 (49%)</td>
<td>176 (57%)</td>
<td>64 (40%)</td>
<td>134 (51%)</td>
<td>76 (42%)</td>
<td>197 (52%)</td>
</tr>
</tbody>
</table>
Percent of Graduates with a College Degree or Certificate within 6 years

Class of 2008 Kennedy vs. Comparable High Schools

<table>
<thead>
<tr>
<th>High School</th>
<th>6 year Degree or Certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kennedy</td>
<td>55%</td>
</tr>
<tr>
<td>MPS Washburn</td>
<td>40%</td>
</tr>
<tr>
<td>Highland Park</td>
<td>51%</td>
</tr>
<tr>
<td>Fridley</td>
<td>46%</td>
</tr>
<tr>
<td>St. Paul Central</td>
<td>52%</td>
</tr>
</tbody>
</table>
Recent SLEDS Findings

- ACT cut scores for 4-year College and Select 4-Year College were validated.
- GPA is a much stronger predictor of College Entrance and Completion than test scores.
- For example, Bloomington GPA of 3.4 or higher predicts with over 80% certainty whether a student in the class of 2009 will be enrolled in a 4-year college.
Research Collaboration
Return on Investment

Dr. Raymond Robertson

- Former Macalester College – Economics Professor
- Texas A&M - The Bush School of Government & Public Service
  Helen and Roy Ryu Chair in Economics and Government
Research Partner
Social Emotional Learning (SEL)

Search
INSTITUTE

Perseverance Process

CEO Dr. Kent Pekel
Research Partner Standards

Research on Standards-based Grading
NSF Grant application

Dr. Geoff Maruyama
Department Chair
Educational Psychology
University of Minnesota
Research Partner
Hennepin County

Data Sharing Agreements

- Early Childhood
- Homeless
- Foster
- Teen Parents

Workforce Leadership Council
Questions?