

**Representative Val L. Peterson** proposes the following substitute bill:

**ECONOMIC DEVELOPMENT AMENDMENTS**

2019 GENERAL SESSION

STATE OF UTAH

**Chief Sponsor: Ann Millner**

House Sponsor: Val L. Peterson

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**LONG TITLE**

**General Description:**

This bill modifies provisions related to economic development.

**Highlighted Provisions:**

This bill:

- ▶ moves the STEM Action Center from the Governor's Office of Economic Development to the Department of Heritage and Arts;
- ▶ moves STEM education endorsements from the Governor's Office of Economic Development to the State Board of Education;
- ▶ requires the Governor's Office of Economic Development to develop a written strategic plan;
- ▶ creates the Utah Works Program within the Talent Ready Utah Center and describes the duties associated with the program; and
- ▶ makes technical changes.

**Money Appropriated in this Bill:**

This bill appropriates in fiscal year 2020:

- ▶ to the Governor's Office of Economic Development -- Talent Ready Utah Center -- Utah Works Program, as a one-time appropriation:
  - from the General Fund, \$4,000,000; and



26           ▶ to the Governor's Office of Economic Development -- Talent Ready Utah Center --  
27 Utah Works Program, as an ongoing appropriation:  
28           • from the General Fund, \$1,000,000.

29 **Other Special Clauses:**

30           This bill provides a special effective date.

31           This bill provides a coordination clause.

32 **Utah Code Sections Affected:**

33 AMENDS:

34           **63N-1-301**, as last amended by Laws of Utah 2018, Chapter 423

35 ENACTS:

36           **63N-12-505**, Utah Code Annotated 1953

37 RENUMBERS AND AMENDS:

38           **9-20-101**, (Renumbered from 63N-12-201, as enacted by Laws of Utah 2015, Chapter  
39 283)

40           **9-20-102**, (Renumbered from 63N-12-202, as last amended by Laws of Utah 2018,  
41 Chapters 415 and 423)

42           **9-20-103**, (Renumbered from 63N-12-203, as last amended by Laws of Utah 2017,  
43 Chapter 382)

44           **9-20-104**, (Renumbered from 63N-12-204, as last amended by Laws of Utah 2017,  
45 Chapter 353)

46           **9-20-105**, (Renumbered from 63N-12-204.5, as enacted by Laws of Utah 2017, Chapter  
47 353)

48           **9-20-106**, (Renumbered from 63N-12-205, as last amended by Laws of Utah 2016,  
49 Chapter 139)

50           **9-20-107**, (Renumbered from 63N-12-206, as renumbered and amended by Laws of  
51 Utah 2015, Chapter 283)

52           **9-20-108**, (Renumbered from 63N-12-207, as renumbered and amended by Laws of  
53 Utah 2015, Chapter 283)

54           **9-20-109**, (Renumbered from 63N-12-208, as last amended by Laws of Utah 2015,  
55 Chapter 292 and renumbered and amended by Laws of Utah 2015, Chapter 283)

56           **9-20-110**, (Renumbered from 63N-12-210, as last amended by Laws of Utah 2017,

57 Chapter 353)

58 **9-20-111**, (Renumbered from 63N-12-211, as renumbered and amended by Laws of  
59 Utah 2015, Chapter 283)

60 **9-20-112**, (Renumbered from 63N-12-212, as last amended by Laws of Utah 2017,  
61 Chapter 382)

62 **9-20-113**, (Renumbered from 63N-12-213, as last amended by Laws of Utah 2018,  
63 Chapter 415)

64 **9-20-114**, (Renumbered from 63N-12-214, as enacted by Laws of Utah 2017, Chapter  
65 219)

66 **53-6-903**, (Renumbered from 63N-12-209, as last amended by Laws of Utah 2016,  
67 Chapter 139)

68 **Utah Code Sections Affected by Coordination Clause:**

69 **63N-1-301**, as last amended by Laws of Utah 2018, Chapter 423



71 *Be it enacted by the Legislature of the state of Utah:*

72 Section 1. Section **9-20-101**, which is renumbered from Section 63N-12-201 is  
73 renumbered and amended to read:

74 **CHAPTER 20. STEM ACTION CENTER**

75 **Part 1. STEM Action Center**

76 ~~[63N-12-201].~~ **9-20-101. Title.**

77 This ~~[part]~~ chapter is known as the "STEM Action Center."

78 Section 2. Section **9-20-102**, which is renumbered from Section 63N-12-202 is  
79 renumbered and amended to read:

80 ~~[63N-12-202].~~ **9-20-102. Definitions.**

81 As used in this ~~[part]~~ chapter:

82 ~~[(1) "Board" means the STEM Action Center Board created in Section 63N-12-203.]~~

83 ~~[(2) (1) "Computing partnerships" means a set of skills, knowledge, and aptitudes~~  
84 ~~used in computer science, information technology, or computer engineering courses and career~~  
85 ~~options.~~

86 ~~[(3) (2) "Director" means the director appointed by the STEM board to oversee the~~  
87 ~~administration of the STEM Action Center.~~

88           ~~[(4)]~~ (3) "Educator" means the same as that term is defined in Section [53E-6-102](#).

89           ~~[(5)]~~ (4) "Foundation" means a foundation established as described in Subsections  
90 ~~[63N-12-204(3) and (4)]~~ [9-20-104](#)(3) and (4).

91           ~~[(6)]~~ (5) "Fund" means the STEM Action Center Foundation Fund created in Section  
92 ~~[63N-12-204.5]~~ [9-20-105](#).

93           ~~[(7)]~~ (6) "Grant program" means the Computing Partnerships Grants program created  
94 in this part.

95           ~~[(8)]~~ (7) "High quality professional development" means professional development that  
96 meets high quality standards developed by the State Board of Education.

97           ~~[(9)]~~ (8) "Institution of higher education" means an institution listed in Section  
98 [53B-1-102](#).

99           ~~[(10)]~~ (9) "K-16" means kindergarten through grade 12 and post-secondary education  
100 programs.

101           ~~[(11)] "Office" means the Governor's Office of Economic Development.]~~

102           ~~[(12)]~~ (10) "Provider" means a provider selected on behalf of the STEM board by the  
103 staff of the STEM board and the staff of the State Board of Education:

104           (a) through a request for proposals process; or

105           (b) through a direct award or sole source procurement process for a pilot described in  
106 Section ~~[63N-12-206]~~ [9-20-107](#).

107           ~~[(13)]~~ (11) "Review committee" means the committee established under Section  
108 ~~[63N-12-214]~~ [9-20-114](#).

109           ~~[(14)]~~ (12) "Stacked credentials" means credentials that:

110           (a) an individual can build upon to access an advanced job or higher wage;

111           (b) are part of a career pathway system;

112           (c) provide a pathway culminating in the equivalent of an associate's or bachelor's  
113 degree;

114           (d) facilitate multiple exit and entry points; and

115           (e) recognize sub-goals or momentum points.

116           ~~[(15)]~~ (13) "STEM" means science, technology, engineering, and mathematics.

117           ~~[(16)]~~ (14) "STEM Action Center" means the center described in Section ~~[63N-12-205]~~  
118 [9-20-106](#).

119 (15) "STEM board" means the STEM Action Center Board created in Section  
 120 9-20-103.

121 ~~[(17)]~~ (16) "Talent Ready Utah" means the Talent Ready Utah Center created in  
 122 Section ~~63N-12-502~~.

123 Section 3. Section **9-20-103**, which is renumbered from Section 63N-12-203 is  
 124 renumbered and amended to read:

125 ~~[63N-12-203]~~. **9-20-103. STEM Action Center Board creation --**  
 126 **Membership.**

127 (1) There is created the STEM Action Center Board ~~[within the office]~~, composed of  
 128 the following members:

129 (a) six private sector members who represent business, appointed by the governor;

130 (b) the state superintendent of public instruction or the state ~~[superintendent of public~~  
 131 ~~instruction's]~~ superintendent's designee;

132 (c) the commissioner of higher education or the ~~[commissioner of higher education's]~~  
 133 commissioner's designee;

134 (d) one member appointed by the governor;

135 (e) a member of the State Board of Education, chosen by the chair of the State Board of  
 136 Education;

137 (f) the executive director of ~~[the office or the executive director's designee]~~ department  
 138 or the executive director's designee;

139 (g) the Utah System of Technical Colleges commissioner of technical education or the  
 140 ~~[Utah System of Technical Colleges commissioner of technical education's]~~ commissioner's  
 141 designee;

142 (h) the executive director of the Department of Workforce Services or the executive  
 143 ~~[director of the Department of Workforce Services']~~ director's designee; and

144 (i) one member who has a degree in engineering and experience working in a  
 145 government military installation, appointed by the governor.

146 (2) (a) The private sector members appointed by the governor in Subsection (1)(a) shall  
 147 represent a business or trade association whose primary focus is science, technology, or  
 148 engineering.

149 (b) Except as required by Subsection (2)(c), members appointed by the governor shall

150 be appointed to four-year terms.

151 (c) The length of terms of the members shall be staggered so that approximately half of  
152 the committee is appointed every two years.

153 (d) The members may not serve more than two full consecutive terms except where the  
154 governor determines that an additional term is in the best interest of the state.

155 (e) When a vacancy occurs in the membership for any reason, the replacement shall be  
156 appointed for the unexpired term.

157 (3) Attendance of a simple majority of the members constitutes a quorum for the  
158 transaction of official committee business.

159 (4) Formal action by the [~~committee~~] STEM board requires a majority vote of a  
160 quorum.

161 (5) A member may not receive compensation or benefits for the member's service, but  
162 may receive per diem and travel expenses in accordance with:

163 (a) Section 63A-3-106;

164 (b) Section 63A-3-107; and

165 (c) rules made by the Division of Finance under Sections 63A-3-106 and 63A-3-107.

166 (6) The governor shall select the chair of the [~~board~~] STEM board to serve a two-year  
167 term.

168 (7) The executive director of the [~~office~~] department or the executive director's  
169 designee shall serve as the vice chair of the STEM board.

170 Section 4. Section 9-20-104, which is renumbered from Section 63N-12-204 is  
171 renumbered and amended to read:

172 [~~63N-12-204~~]. **9-20-104. STEM Action Center Board -- Duties.**

173 (1) The STEM board shall:

174 (a) establish a STEM Action Center to:

175 (i) coordinate STEM activities in the state among the following stakeholders:

176 (A) the State Board of Education;

177 (B) school districts and charter schools;

178 (C) the State Board of Regents;

179 (D) institutions of higher education;

180 (E) parents of home-schooled students;

- 181 (F) other state agencies; and
- 182 (G) business and industry representatives;
- 183 (ii) align public education STEM activities with higher education STEM activities; and
- 184 (iii) create and coordinate best practices among public education and higher education;
- 185 (b) with the consent of the Senate, appoint a director to oversee the administration of
- 186 the STEM Action Center;
- 187 (c) select a physical location for the STEM Action Center;
- 188 (d) strategically engage industry and business entities to cooperate with the STEM
- 189 board:
- 190 (i) to support high quality professional development and provide other assistance for
- 191 educators and students; and
- 192 (ii) to provide private funding and support for the STEM Action Center;
- 193 (e) give direction to the STEM Action Center and the providers selected through a
- 194 request for proposals process pursuant to this part; and
- 195 (f) work to meet the following expectations:
- 196 (i) that at least 50 educators are implementing best practice learning tools in
- 197 classrooms;
- 198 (ii) performance change in student achievement in each classroom participating in a
- 199 STEM Action Center project; and
- 200 (iii) that students from at least 50 schools in the state participate in the STEM
- 201 competitions, fairs, and camps described in Subsection [~~63N-12-205(2)(d)~~] 9-20-106(2)(d).
- 202 (2) The STEM board may:
- 203 (a) enter into contracts for the purposes of this part;
- 204 (b) apply for, receive, and disburse funds, contributions, or grants from any source for
- 205 the purposes set forth in this part;
- 206 (c) employ, compensate, and prescribe the duties and powers of individuals necessary
- 207 to execute the duties and powers of the STEM board;
- 208 (d) prescribe the duties and powers of the STEM Action Center providers; and
- 209 (e) in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act,
- 210 make rules to administer this part.
- 211 (3) The STEM board may establish a foundation to assist in:

212 (a) the development and implementation of the programs authorized under this part to  
213 promote STEM education; and

214 (b) implementation of other STEM education objectives described in this part.

215 (4) A foundation established by the STEM board under Subsection (3):

216 (a) may solicit and receive contributions from a private organization for STEM  
217 education objectives described in this part;

218 (b) shall comply with the requirements described in Section [~~63N-12-204.5~~] 9-20-105;

219 (c) does not have power or authority to incur contractual obligations or liabilities that  
220 constitute a claim against public funds;

221 (d) may not exercise executive or administrative authority over the programs or other  
222 activities described in this part, except to the extent specifically authorized by the STEM board;

223 (e) shall provide the STEM board with information detailing transactions and balances  
224 associated with the foundation; and

225 (f) may not:

226 (i) engage in lobbying activities;

227 (ii) attempt to influence legislation; or

228 (iii) participate in any campaign activity for or against:

229 (A) a political candidate; or

230 (B) an initiative, referendum, proposed constitutional amendment, bond, or any other  
231 ballot proposition submitted to the voters.

232 Section 5. Section **9-20-105**, which is renumbered from Section 63N-12-204.5 is  
233 renumbered and amended to read:

234 [~~63N-12-204.5~~]. **9-20-105. STEM Action Center Foundation Fund.**

235 (1) There is created an expendable special revenue fund known as the "STEM Action  
236 Center Foundation Fund."

237 (2) The director shall administer the fund under the direction of the STEM board.

238 (3) Money may be deposited into the fund from a variety of sources, including  
239 transfers, grants, private foundations, individual donors, gifts, bequests, legislative  
240 appropriations, and money made available from any other source.

241 (4) Money collected by a foundation described in Subsections [~~63N-12-204(3)~~]  
242 9-20-104(3) and (4) shall be deposited into the fund.



243 (5) Any portion of the fund may be treated as an endowment fund such that the  
244 principal of that portion of the fund is held in perpetuity on behalf of the STEM Action Center.

245 (6) The state treasurer shall invest the money in the fund according to the procedures  
246 and requirements of Title 51, Chapter 7, State Money Management Act, except that all interest  
247 or other earnings derived from those investments shall be deposited into the fund.

248 (7) The director, under the direction of the STEM board, may expend money from the  
249 fund for the purposes described in this part.

250 Section 6. Section **9-20-106**, which is renumbered from Section 63N-12-205 is  
251 renumbered and amended to read:

252 ~~[63N-12-205].~~ **9-20-106. STEM Action Center.**

253 (1) ~~[As funding allows, the board]~~ The STEM board shall:

254 (a) establish a STEM Action Center;

255 (b) ensure that the STEM Action Center:

256 (i) is accessible ~~[by]~~ to the public; and

257 (ii) includes the components described in Subsection (2);

258 (c) work cooperatively with the State Board of Education to:

259 (i) further STEM education; and

260 (ii) ensure best practices are implemented as described in Sections ~~[63N-12-206 and~~  
261 ~~63N-12-207]~~ 9-20-107 and 9-20-108;

262 (d) engage private entities to provide financial support or employee time for STEM  
263 activities in schools in addition to what is currently provided by private entities; and

264 (e) work cooperatively with stakeholders to support and promote activities that align  
265 STEM education and training activities with the employment needs of business and industry in  
266 the state.

267 (2) As funding allows, the director of the STEM Action Center shall:

268 (a) support high quality professional development for educators regarding STEM  
269 education;

270 (b) ensure that the STEM Action Center acts as a research and development center for  
271 STEM education through a request for proposals process described in Section ~~[63N-12-206]~~  
272 9-20-107;

273 (c) review and acquire STEM education related materials and products for:

- 274 (i) high quality professional development;
- 275 (ii) assessment, data collection, analysis, and reporting; and
- 276 (iii) public school instruction;
- 277 (d) facilitate participation in interscholastic STEM related competitions, fairs, camps,
- 278 and STEM education activities;
- 279 (e) engage private industry in the development and maintenance of the STEM Action
- 280 Center and STEM Action Center projects;
- 281 (f) use resources to bring the latest STEM education learning tools into public
- 282 education classrooms;
- 283 (g) identify at least 10 best practice innovations used in Utah that have resulted in a
- 284 measurable improvement in student performance or outcomes in STEM areas;
- 285 (h) identify best practices being used outside the state and, as appropriate, develop and
- 286 implement selected practices through a pilot program;
- 287 (i) identify:
- 288 (i) learning tools for kindergarten through grade 6 identified as best practices; and
- 289 (ii) learning tools for grades 7 through 12 identified as best practices;
- 290 (j) collect data on Utah best practices, including best practices from public education,
- 291 higher education, the Utah Education and Telehealth Network, and other STEM related
- 292 entities;
- 293 (k) keep track of the following items related to best practices described in Subsection
- 294 (2)(j):
- 295 (i) how the best practices data are being used; and
- 296 (ii) how many individuals are using the data, including the demographics of the users,
- 297 if available;
- 298 (l) as appropriate, join and participate in a national STEM network;
- 299 (m) work cooperatively with the State Board of Education to designate schools as
- 300 STEM schools, where the schools have agreed to adopt a plan of STEM implementation in
- 301 alignment with criteria set by the State Board of Education and the board;
- 302 (n) support best methods of high quality professional development for STEM
- 303 education in kindergarten through grade 12, including methods of high quality professional
- 304 development that reduce cost and increase effectiveness, to help educators learn how to most

305 effectively implement best practice learning tools in classrooms;

306 (o) recognize achievement in the STEM competitions, fairs, and camps described in

307 Subsection (2)(d);

308 (p) send student results from STEM competitions, fairs, and camps described in

309 Subsection (2)(d) to media and ask the media to report on them;

310 (q) develop and distribute STEM information to parents of students in the state;

311 (r) support targeted high quality professional development for improved instruction in

312 STEM education, including:

313 (i) improved instructional materials that are dynamic and engaging for students;

314 (ii) use of applied instruction; and

315 (iii) introduction of other research-based methods that support student achievement in

316 STEM areas; and

317 (s) ensure that an online college readiness assessment tool be accessible by:

318 (i) public education students; and

319 (ii) higher education students.

320 (3) The STEM board may prescribe other duties for the STEM Action Center in

321 addition to the responsibilities described in this section.

322 (4) (a) The director shall work with an independent evaluator to track and compare the

323 student performance of students participating in a STEM Action Center program to all other

324 similarly situated students in the state, if appropriate, in the following activities:

325 (i) public education high school graduation rates;

326 (ii) the number of students taking a remedial mathematics course at an institution of

327 higher education described in Section [53B-2-101](#);

328 (iii) the number of students who graduate from a Utah public school and begin a

329 postsecondary education program; and

330 (iv) the number of students, as compared to all similarly situated students, who are

331 performing at grade level in STEM classes.

332 (b) The State Board of Education and the State Board of Regents shall provide

333 information to the STEM board to assist the STEM board in complying with the requirements

334 of Subsection (4)(a) if allowed under federal law.

335 Section 7. Section **9-20-107**, which is renumbered from Section 63N-12-206 is

336 renumbered and amended to read:

337 ~~[63N-12-206]~~. 9-20-107. **Acquisition of STEM education related**  
338 **instructional technology program -- Research and development of education related**  
339 **instructional technology through a pilot program.**

340 (1) For purposes of this section:

341 (a) "Pilot" means a pilot of the program.

342 (b) "Program" means the STEM education related instructional technology program  
343 created in Subsection (2).

344 (2) (a) There is created the STEM education related instructional technology program  
345 to provide public schools the STEM education related instructional technology described in  
346 Subsection (3).

347 (b) On behalf of the STEM board, the staff of the STEM board and the staff of the  
348 State Board of Education shall collaborate and may select one or more providers, through a  
349 request for proposals process, to provide STEM education related instructional technology to  
350 school districts and charter schools.

351 (c) On behalf of the STEM board, the staff of the STEM board and the staff of the  
352 State Board of Education shall consider and may accept an offer from a provider in response to  
353 the request for proposals described in Subsection (2)(b) even if the provider did not participate  
354 in a pilot described in Subsection (5).

355 (3) The STEM education related instructional technology shall:

356 (a) support mathematics instruction for students in:

357 (i) kindergarten through grade 6; or

358 (ii) grades 7 and 8; or

359 (b) support mathematics instruction for secondary students to prepare the secondary  
360 students for college mathematics courses.

361 (4) In selecting a provider for STEM education related instructional technology to  
362 support mathematics instruction for the students described in Subsection (3)(a), the STEM  
363 board shall consider the following criteria:

364 (a) the technology contains individualized instructional support for skills and  
365 understanding of the core standards in mathematics;

366 (b) the technology is self-adapting to respond to the needs and progress of the learner;

367 and

368 (c) the technology provides opportunities for frequent, quick, and informal assessments  
369 and includes an embedded progress monitoring tool and mechanisms for regular feedback to  
370 students and teachers.

371 (5) Before issuing a request for proposals described in Subsection (2), on behalf of the  
372 STEM board, the staff of the STEM board and the staff of the State Board of Education shall  
373 collaborate and may:

374 (a) conduct a pilot of the program to test and select providers for the program;

375 (b) select at least two providers through a direct award or sole source procurement  
376 process for the purpose of conducting the pilot; and

377 (c) select schools to participate in the pilot.

378 (6) (a) A contract with a provider for STEM education related instructional technology  
379 may include professional development for full deployment of the STEM education related  
380 instructional technology.

381 (b) No more than 10% of the money appropriated for the program may be used to  
382 provide professional development related to STEM education related instructional technology  
383 in addition to the professional development described in Subsection (6)(a).

384 Section 8. Section **9-20-108**, which is renumbered from Section 63N-12-207 is  
385 renumbered and amended to read:

386 ~~[63N-12-207]~~. **9-20-108. Distribution of STEM education instructional**  
387 **technology to schools.**

388 (1) Subject to legislative appropriations, on behalf of the STEM board, the staff of the  
389 STEM board and the staff of the State Board of Education shall collaborate and shall:

390 (a) distribute STEM education related instructional technology described in Section  
391 ~~[63N-12-206]~~ 9-20-107 to school districts and charter schools; and

392 (b) provide related professional development to the school districts and charter schools  
393 that receive STEM education related instructional technology.

394 (2) A school district or charter school may apply to the STEM board, through a  
395 competitive process, to receive STEM education related instructional technology from the  
396 STEM board.

397 (3) A school district or charter school that receives STEM education related

398 instructional technology as described in this section shall provide the school district's or charter  
399 school's own computer hardware.

400 Section 9. Section **9-20-109**, which is renumbered from Section 63N-12-208 is  
401 renumbered and amended to read:

402 ~~[63N-12-208].~~ **9-20-109. Report to Legislature and the State Board of**  
403 **Education.**

404 (1) The STEM board shall report the progress of the STEM Action Center, including  
405 the information described in Subsection (2), to the following groups once each year:

- 406 (a) the Education Interim Committee;
- 407 (b) the Public Education Appropriations Subcommittee;
- 408 (c) the State Board of Education; and
- 409 (d) the ~~[office]~~ department for inclusion in the ~~[office's]~~ department's annual written  
410 report described in Section ~~[63N-1-301]~~ 9-1-209.

411 (2) The report described in Subsection (1) shall include information that demonstrates  
412 the effectiveness of the program, including:

- 413 (a) the number of educators receiving high quality professional development;
- 414 (b) the number of students receiving services from the STEM Action Center;
- 415 (c) a list of the providers selected pursuant to this part;
- 416 (d) a report on the STEM Action Center's fulfilment of its duties described in Section  
417 ~~[63N-12-205]~~ 9-20-106; and
- 418 (e) student performance of students participating in a STEM Action Center program as  
419 collected in Subsection ~~[63N-12-205]~~ 9-20-106(4).

420 Section 10. Section **9-20-110**, which is renumbered from Section 63N-12-210 is  
421 renumbered and amended to read:

422 ~~[63N-12-210].~~ **9-20-110. Acquisition of STEM education high quality**  
423 **professional development.**

424 (1) The STEM Action Center may, through a request for proposals process, select  
425 technology providers for the purpose of providing a STEM education high quality professional  
426 development application.

427 (2) The high quality professional development application described in Subsection (1)  
428 shall:

- 429 (a) allow the State Board of Education, a school district, or a school to define the  
430 application's input and track results of the high quality professional development;
- 431 (b) allow educators to access automatic tools, resources, and strategies, including  
432 instructional materials with integrated STEM content;
- 433 (c) allow educators to work in online learning communities, including giving and  
434 receiving feedback via uploaded video;
- 435 (d) track and report data on the usage of the components of the application's system  
436 and the relationship to improvement in classroom instruction;
- 437 (e) include video examples of highly effective STEM education teaching that:  
438 (i) cover a cross section of grade levels and subjects;
- 439 (ii) under the direction of the State Board of Education, include videos of highly  
440 effective Utah STEM educators; and
- 441 (iii) contain tools to help educators implement what they have learned; and  
442 (f) allow for additional STEM education video content to be added.

443 (3) In addition to the high quality professional development application described in  
444 Subsections (1) and (2), the STEM Action Center may create STEM education hybrid or  
445 blended high quality professional development that allows for face-to-face applied learning.

446 Section 11. Section **9-20-111**, which is renumbered from Section 63N-12-211 is  
447 renumbered and amended to read:

448 ~~[63N-12-211]~~. **9-20-111. STEM education middle school applied science**  
449 **initiative.**

450 (1) The STEM Action Center shall develop an applied science initiative for students in  
451 grades 7 and 8 that includes:

- 452 (a) a STEM applied science curriculum with instructional materials;
- 453 (b) STEM hybrid or blended high quality professional development that allows for  
454 face-to-face applied learning; and
- 455 (c) hands-on tools for STEM applied science learning.

456 (2) The STEM Action Center may, through a request for proposals process, select a  
457 consultant to assist in developing the initiative described in Subsection (1).

458 Section 12. Section **9-20-112**, which is renumbered from Section 63N-12-212 is  
459 renumbered and amended to read:

460 ~~[63N-12-212]~~. 9-20-112. **High school STEM education initiative.**

461 (1) Subject to legislative appropriations, after consulting with State Board of Education  
462 staff, the STEM Action Center shall award grants to school districts and charter schools to fund  
463 STEM related certification for high school students.

464 (2) (a) A school district or charter school may apply for a grant from the STEM Action  
465 Center, through a competitive process, to fund the school district's or charter school's STEM  
466 related certification training program.

467 (b) A school district's or charter school's STEM related certification training program  
468 shall:

469 (i) prepare high school students to be job ready for available STEM related positions of  
470 employment; and

471 (ii) when a student completes the program, result in the student gaining an  
472 industry-recognized employer STEM related certification.

473 (3) A school district or charter school may partner with one or more of the following to  
474 provide a STEM related certification program:

475 (a) a technical college described in Section [53B-2a-105](#);

476 (b) Salt Lake Community College;

477 (c) Snow College;

478 (d) Utah State University Eastern; or

479 (e) a private sector employer.

480 Section 13. Section **9-20-113**, which is renumbered from Section 63N-12-213 is  
481 renumbered and amended to read:

482 ~~[63N-12-213]~~. 9-20-113. **Computer science initiative for public schools.**

483 (1) As used in this section:

484 (a) "Computational thinking" means the set of problem-solving skills and techniques  
485 that software engineers use to write programs that underlie computer applications, including  
486 decomposition, pattern recognition, pattern generalization, and algorithm design.

487 (b) "Computer coding" means the process of writing script for a computer program or  
488 mobile device.

489 (c) "Educator" means the same as that term is defined in Section [53E-6-102](#).

490 (d) "Endorsement" means a stipulation, authorized by the State Board of Education and



491 appended to a license, that specifies the areas of practice to which the license applies.

492 (e) (i) "Institution of higher education" means the same as that term is defined in  
493 Section [53B-3-102](#).

494 (ii) "Institution of higher education" includes a technical college described in Section  
495 [53B-2a-105](#).

496 (f) "Employer" means a private employer, public employer, industry association, union,  
497 or the military.

498 (g) "License" means the same as that term is defined in Section [53E-6-102](#).

499 (2) Subject to legislative appropriations, on behalf of the STEM board, the staff of the  
500 STEM board and the staff of the State Board of Education shall collaborate to develop and  
501 implement a computer science initiative for public schools by:

502 (a) creating an online repository that:

503 (i) is available for school districts and charter schools to use as a resource; and

504 (ii) includes high quality computer science instructional resources that are designed to  
505 teach students in all grade levels:

506 (A) computational thinking skills; and

507 (B) computer coding skills;

508 (b) providing for professional development on teaching computer science by:

509 (i) including resources for educators related to teaching computational thinking and  
510 computer coding in the STEM education high quality professional development application  
511 described in Section [~~63N-12-210~~] [9-20-110](#); and

512 (ii) providing statewide or regional professional development institutes; and

513 (c) awarding grants to a school district or charter school, on a competitive basis, that  
514 may be used to provide incentives for an educator to earn a computer science endorsement.

515 (3) A school district or charter school may enter into an agreement with one or more of  
516 the following entities to jointly apply for a grant under Subsection (2)(c):

517 (a) a school district;

518 (b) a charter school;

519 (c) an employer;

520 (d) an institution of higher education; or

521 (e) a non-profit organization.

522 (4) To apply for a grant described in Subsection (2)(c), a school district or charter  
523 school shall submit a plan to the State Board of Education for the use of the grant, including a  
524 statement of purpose that describes the methods the school district or charter school proposes  
525 to use to incentivize an educator to earn a computer science endorsement.

526 (5) The [~~board and the~~] State Board of Education and the STEM board shall encourage  
527 schools to independently pursue computer science and coding initiatives, subject to local  
528 school board or charter school governing board approval, based on the unique needs of the  
529 school's students.

530 (6) The STEM board shall include information on the status of the computer science  
531 initiative in the annual report described in Section [~~63N-12-208~~] 9-20-109.

532 Section 14. Section **9-20-114**, which is renumbered from Section 63N-12-214 is  
533 renumbered and amended to read:

534 [~~63N-12-214~~]. **9-20-114. Computing Partnerships Grants program.**

535 (1) There is created the Computing Partnerships Grants program consisting of the  
536 grants created in this part to provide for the design and implementation of a comprehensive  
537 K-16 computing partnerships program, based upon the following common elements:

- 538 (a) outreach and student engagement;
- 539 (b) courses and content;
- 540 (c) instruction and instructional support;
- 541 (d) work-based learning opportunities;
- 542 (e) student retention;
- 543 (f) industry engagement;
- 544 (g) stacked credentials that allow for multiple exit and entry points;
- 545 (h) competency-based learning strategies; and
- 546 (i) secondary and post-secondary collaborations.

547 (2) The grant program shall incentivize public schools and school districts to work  
548 with the STEM Action Center, staff of the State Board of Education, Talent Ready Utah,  
549 industry representatives, and secondary partners on the design and implementation of  
550 comprehensive K-16 computing partnerships through:

- 551 (a) leveraging existing resources for content, professional learning, and instruction,  
552 including existing career and technical education funds, programs, and initiatives;

553 (b) allowing for the support of professional learning for pre- and in-service educators;

554 (c) supporting activities that promote and enhance access, diversity, and equity;

555 (d) supporting collaborations and partnerships between K-12, institutions of higher  
556 education, cultural and community partners, and industry representatives;

557 (e) identifying the appropriate credentials that align with industry needs and providing  
558 the credentials in a stacked credentials pathway;

559 (f) implementing a collaborative network that enables sharing and identification of best  
560 practices; and

561 (g) providing infrastructure assistance that allows for the support of new courses and  
562 the expansion of capacity for existing courses.

563 (3) The grant program shall include the following:

564 (a) rigorous and relevant metrics that are shared by all grant participants; and

565 (b) an evaluation by the STEM Action Center of the grant program that identifies best  
566 practices.

567 (4) The STEM Action Center, in consultation with the State Board of Education, shall:

568 (a) in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act,  
569 adopt rules:

570 (i) for the administration of the grant program and awarding of grants; and

571 (ii) that define outcome-based measures appropriate to the type of grant awarded under  
572 this part;

573 (b) establish a grant application process;

574 (c) in accordance with Subsection (5), establish a review committee to make  
575 recommendations for:

576 (i) metrics to analyze the quality of a grant application;

577 (ii) approval of a grant application; and

578 (iii) criteria to establish a requirement for an applicant to demonstrate financial need;

579 and

580 (d) with input from the review committee, adopt metrics to analyze the quality of a  
581 grant application.

582 (5) (a) The review committee shall consist of K-16 educators, staff of the State Board  
583 of Education, representatives of Talent Ready Utah, post-secondary partners, and industry

584 representatives.

585 (b) The review committee shall:

586 (i) review a grant application submitted;

587 (ii) make recommendations to a grant applicant to modify the grant application, if  
588 necessary; and

589 (iii) make recommendations regarding the final disposition of an application.

590 (6) The STEM Action Center shall report annually on the grant program to the State  
591 Board of Education and any findings and recommendations on the grant program shall be  
592 included in the STEM Action Center annual report to the Education Interim Committee.

593 Section 15. Section ~~53-6-903~~, which is renumbered from Section 63N-12-209 is  
594 renumbered and amended to read:

595 ~~[63N-12-209].~~ 53-6-903. STEM education endorsements and incentive  
596 program.

597 (1) As used in this section, "STEM" means science, technology, engineering, and  
598 mathematics.

599 ~~[(1)] (2) The [State Board of Education] state board shall [collaborate with the STEM~~  
600 ~~Action Center to]:~~

601 (a) develop STEM education endorsements; and

602 (b) create and implement financial incentives for:

603 (i) an educator to earn an elementary or secondary STEM education endorsement  
604 described in Subsection (1)(a); and

605 (ii) a school district or a charter school to have STEM endorsed educators on staff.

606 ~~[(2)] (3) [In accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking~~  
607 ~~Act, the State Board of Education] The state board shall make rules establishing the uses of~~  
608 STEM education endorsements described in Subsection (1), including that:

609 (a) an incentive for an educator to take a course leading to a STEM education  
610 endorsement may only be given for a course that carries higher-education credit; and

611 (b) a school district or a charter school may consider a STEM education endorsement  
612 as part of an educator's salary schedule.

613 Section 16. Section ~~63N-1-301~~ is amended to read:

614 ~~63N-1-301. Annual report -- Content -- Format.~~

615 (1) The office shall prepare and submit to the governor and the Legislature, by October  
616 1 of each year, an annual written report of the operations, activities, programs, and services of  
617 the office, including the divisions, sections, boards, commissions, councils, and committees  
618 established under this title, for the preceding fiscal year.

619 (2) For each operation, activity, program, or service provided by the office, the annual  
620 report shall include:

621 (a) a description of the operation, activity, program, or service;

622 (b) data and metrics:

623 (i) selected and used by the office to measure progress, performance, effectiveness, and  
624 scope of the operation, activity, program, or service, including summary data; and

625 (ii) that are consistent and comparable for each state operation, activity, program, or  
626 service that primarily involves employment training or placement as determined by the  
627 executive directors of the office, the Department of Workforce Services, and the Governor's  
628 Office of Management and Budget;

629 (c) budget data, including the amount and source of funding, expenses, and allocation  
630 of full-time employees for the operation, activity, program, or service;

631 (d) historical data from previous years for comparison with data reported under  
632 Subsections (2)(b) and (c);

633 (e) goals, challenges, and achievements related to the operation, activity, program, or  
634 service;

635 (f) relevant federal and state statutory references and requirements;

636 (g) contact information of officials knowledgeable and responsible for each operation,  
637 activity, program, or service; and

638 (h) other information determined by the office that:

639 (i) may be needed, useful, or of historical significance; or

640 (ii) promotes accountability and transparency for each operation, activity, program, or  
641 service with the public and elected officials.

642 (3) The annual report shall be designed to provide clear, accurate, and accessible  
643 information to the public, the governor, and the Legislature.

644 (4) The office shall:

645 (a) submit the annual report in accordance with Section [68-3-14](#);

646 (b) make the annual report, and previous annual reports, accessible to the public by  
647 placing a link to the reports on the office's website; and

648 (c) provide the data and metrics described in Subsection (2)(b) to the Talent Ready  
649 Utah Board created in Section [63N-12-503](#).

650 (5) (a) On or before October 1, 2019, the office shall:

651 (i) in consultation with the organizations described in Subsection (5)(c), coordinate the  
652 development of a written strategic plan that contains a coordinated economic development  
653 strategy for the state; and

654 (ii) provide the strategic plan to the president of the Senate, the speaker of the House of  
655 Representatives, and the Economic Development and Workforce Services Interim Committee.

656 (b) The strategic plan shall:

657 (i) establish a statewide economic development strategy that consists of a limited set of  
658 clear, concise and defined principles and goals;

659 (ii) recommend targeted economic development policies that will further the  
660 implementation of the economic development strategy described in this section;

661 (iii) identify each of the relevant state-level economic development agencies, including  
662 the agencies described in Subsection (5)(c);

663 (iv) outline the functional role in furthering the state's economic development strategy  
664 for each relevant state-level economic development agency;

665 (v) establish specific principles and make specific recommendations to decrease  
666 competition and increase communication and cooperation among state-level economic  
667 development agencies, providers and administrators of economic development programs in the  
668 state, nonprofit entities that participate in economic development in the state, and local  
669 governments;

670 (vi) recommend a fundamental realignment of economic development programs in the  
671 state to ensure each program's purpose is congruent with the mission of the organization within  
672 which the program is located;

673 (vii) address rural economic development by:

674 (A) establishing goals and principles to ensure the state's economic development  
675 strategy works for both urban and rural areas of the state; and

676 (B) providing recommendations on how existing rural economic development

677 programs should be restructured or realigned;

678 (viii) assess the effectiveness of the state's economic development incentives and make  
679 recommendations regarding:

680 (A) how incentive policies could be improved; and

681 (B) how incentives could be better coordinated among state-level economic  
682 development agencies and local governments;

683 (ix) make recommendations regarding how to align the state's economic development  
684 strategy and policies in order to take advantage of the strengths and address the weaknesses of  
685 the state's current and projected urban and rural workforce;

686 (x) make recommendations regarding how to monitor and assess whether certain  
687 economic development policies further the statewide economic development strategy described  
688 in this section, including recommendations on performance metrics to measure results; and

689 (xi) align the strategic plan with each element of the statewide economic development  
690 strategy.

691 (c) The office shall coordinate the development of the strategic plan by working in  
692 coordination with and obtaining information from other state agencies, including:

693 (i) the Department of Workforce Services;

694 (ii) the Office of Energy Development;

695 (iii) the State Board of Education;

696 (iv) the State Board of Regents; and

697 (v) the Utah System of Technical Colleges Board of Trustees.

698 (d) If contacted by the office, other state agencies, including those described in  
699 Subsection (5)(c), shall, in accordance with state and federal law, share information and  
700 cooperate with the office in coordinating the development of the strategic plan.

701 Section 17. Section **63N-12-505** is enacted to read:

702 **63N-12-505. Utah Works.**

703 (1) There is created within the center the Utah Works Program.

704 (2) The program, under the direction of the center and the talent ready board, shall  
705 develop workforce solutions that meet the needs of businesses that are creating jobs and  
706 economic growth in the state by:

707 (a) partnering with the office, the Department of Workforce Services, the Utah System

708 of Higher Education, and the Utah System of Technical Colleges;

709 (b) identifying businesses that have significant hiring demands in the state;

710 (c) coordinating with the Department of Workforce Services to create effective

711 recruitment initiatives to attract student and workforce participants and business participants to

712 the program;

713 (d) coordinating with the Utah System of Higher Education and the Utah System of

714 Technical Colleges to develop educational and training resources to provide student

715 participants in the program qualifications to be hired by business participants in the program;

716 and

717 (e) coordinating with the Board of Education and local education agencies when

718 appropriate to develop educational and training resources to provide student participants in the

719 program qualifications to be hired by business participants in the program.

720 (3) The office, in consultation with the talent ready board, may, in accordance with

721 Title 63G, Chapter 3, Utah Administrative Rulemaking Act, and in accordance with the

722 provisions of this section, make rules regarding the development and administration of the

723 Utah Works Program.

724 (4) The center shall report the following metrics to the office for inclusion in the

725 office's annual report described in Section [63N-1-301](#):

726 (a) the number of participants in the program;

727 (b) the number of participants who have completed training offered by the program;

728 and

729 (c) the number of participants who have been hired by a business participating in the

730 program.

731 **Section 18. Appropriation.**

732 The following sums of money are appropriated for the fiscal year beginning July 1,

733 2019, and ending June 30, 2020. These are additions to amounts previously appropriated for

734 fiscal year 2020. Under the terms and conditions of Title 63J, Chapter 1, Budgetary Procedures

735 Act, the Legislature appropriates the following sums of money from the funds or accounts

736 indicated for the use and support of the government of the state of Utah.

737 ITEM 1

738 To Governor's Office of Economic Development -- Talent Ready Utah Center



|     |                                    |                    |
|-----|------------------------------------|--------------------|
| 739 | <u>From General Fund, One-time</u> | <u>\$4,000,000</u> |
| 740 | <u>From General Fund</u>           | <u>\$1,000,000</u> |
| 741 | <u>Schedule of Programs:</u>       |                    |
| 742 | <u>Utah Works Program</u>          | <u>\$5,000,000</u> |

743 Section 19. **Effective date.**

744 This bill takes effect on July 1, 2019.

745 Section 20. **Coordinating S.B. 172 with H.B. 297 -- Substantive amendments.**

746 If this S.B. 172 and H.B. 297, Long Term Planning Subcommittee, both pass and  
747 become law, it is the intent of the Legislature that Subsection [63N-1-301\(5\)\(a\)\(ii\)](#) of this bill be  
748 amended to read:

749 "(ii) provide the strategic plan to the Long Term Planning Subcommittee of the  
750 Legislative Management Committee and the Economic Development and Workforce Services  
751 Interim Committee."