

ECONOMIC DEVELOPMENT AMENDMENTS

2019 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: Ann Millner

House Sponsor: Val L. Peterson

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

29 **Other Special Clauses:**

30 This bill provides a special effective date.

31 **Utah Code Sections Affected:**

32 AMENDS:

33 **63N-1-301**, as last amended by Laws of Utah 2018, Chapter 423

34 ENACTS:

35 **63N-12-505**, Utah Code Annotated 1953

36 RENUMBERS AND AMENDS:

37 **9-20-101**, (Renumbered from 63N-12-201, as enacted by Laws of Utah 2015, Chapter
38 283)

39 **9-20-102**, (Renumbered from 63N-12-202, as last amended by Laws of Utah 2018,
40 Chapters 415 and 423)

41 **9-20-103**, (Renumbered from 63N-12-203, as last amended by Laws of Utah 2017,
42 Chapter 382)

43 **9-20-104**, (Renumbered from 63N-12-204, as last amended by Laws of Utah 2017,
44 Chapter 353)

45 **9-20-105**, (Renumbered from 63N-12-204.5, as enacted by Laws of Utah 2017, Chapter
46 353)

47 **9-20-106**, (Renumbered from 63N-12-205, as last amended by Laws of Utah 2016,
48 Chapter 139)

49 **9-20-107**, (Renumbered from 63N-12-206, as renumbered and amended by Laws of
50 Utah 2015, Chapter 283)

51 **9-20-108**, (Renumbered from 63N-12-207, as renumbered and amended by Laws of
52 Utah 2015, Chapter 283)

53 **9-20-109**, (Renumbered from 63N-12-208, as last amended by Laws of Utah 2015,
54 Chapter 292 and renumbered and amended by Laws of Utah 2015, Chapter 283)

55 **9-20-110**, (Renumbered from 63N-12-210, as last amended by Laws of Utah 2017,

56 Chapter 353)
 57 **9-20-111**, (Renumbered from 63N-12-211, as renumbered and amended by Laws of
 58 Utah 2015, Chapter 283)
 59 **9-20-112**, (Renumbered from 63N-12-212, as last amended by Laws of Utah 2017,
 60 Chapter 382)
 61 **9-20-113**, (Renumbered from 63N-12-213, as last amended by Laws of Utah 2018,
 62 Chapter 415)
 63 **9-20-114**, (Renumbered from 63N-12-214, as enacted by Laws of Utah 2017, Chapter
 64 219)
 65 **53E-6-903**, (Renumbered from 63N-12-209, as last amended by Laws of Utah 2016,
 66 Chapter 139)

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

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

71 **CHAPTER 20. STEM ACTION CENTER**

72 **Part 1. STEM Action Center**

73 ~~[63N-12-201].~~ **9-20-101. Title.**

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

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

77 ~~[63N-12-202].~~ **9-20-102. Definitions.**

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

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

80 ~~[(2)]~~ (1) "Computing partnerships" means a set of skills, knowledge, and aptitudes
 81 used in computer science, information technology, or computer engineering courses and career
 82 options.

83 ~~[(3)]~~ (2) "Director" means the director appointed by the STEM board to oversee the
84 administration of the STEM Action Center.

85 ~~[(4)]~~ (3) "Educator" means the same as that term is defined in Section [53E-6-102](#).

86 ~~[(5)]~~ (4) "Foundation" means a foundation established as described in Subsections
87 ~~[63N-12-204(3) and (4)]~~ [9-20-104\(3\) and \(4\)](#).

88 ~~[(6)]~~ (5) "Fund" means the STEM Action Center Foundation Fund created in Section
89 ~~[63N-12-204.5]~~ [9-20-105](#).

90 ~~[(7)]~~ (6) "Grant program" means the Computing Partnerships Grants program created
91 in this part.

92 ~~[(8)]~~ (7) "High quality professional development" means professional development that
93 meets high quality standards developed by the State Board of Education.

94 ~~[(9)]~~ (8) "Institution of higher education" means an institution listed in Section
95 [53B-1-102](#).

96 ~~[(10)]~~ (9) "K-16" means kindergarten through grade 12 and post-secondary education
97 programs.

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

99 ~~[(12)]~~ (10) "Provider" means a provider selected on behalf of the STEM board by the
100 staff of the STEM board and the staff of the State Board of Education:

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

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

104 ~~[(13)]~~ (11) "Review committee" means the committee established under Section
105 ~~[63N-12-214]~~ [9-20-114](#).

106 ~~[(14)]~~ (12) "Stacked credentials" means credentials that:

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

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

109 (c) provide a pathway culminating in the equivalent of an associate's or bachelor's

110 degree;

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

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

113 ~~[(15)]~~ (13) "STEM" means science, technology, engineering, and mathematics.

114 ~~[(16)]~~ (14) "STEM Action Center" means the center described in Section ~~[63N-12-205]~~
115 9-20-106.

116 (15) "STEM board" means the STEM Action Center Board created in Section
117 9-20-103.

118 ~~[(17)]~~ (16) "Talent Ready Utah" means the Talent Ready Utah Center created in
119 Section 63N-12-502.

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

122 ~~[63N-12-203]~~. **9-20-103. STEM Action Center Board creation --**

123 **Membership.**

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

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

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

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

131 (d) one member appointed by the governor;

132 (e) a member of the State Board of Education, chosen by the chair of the State Board of
133 Education;

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

136 (g) the Utah System of Technical Colleges commissioner of technical education or the

137 [~~Utah System of Technical Colleges commissioner of technical education's~~] commissioner's
138 designee;

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

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

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

146 (b) Except as required by Subsection (2)(c), members appointed by the governor shall
147 be appointed to four-year terms.

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

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

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

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

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

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

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

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

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

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

164 term.

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

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

169 ~~[63N-12-204].~~ **9-20-104. STEM Action Center Board -- Duties.**

170 (1) The STEM board shall:

171 (a) establish a STEM Action Center to:

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

173 (A) the State Board of Education;

174 (B) school districts and charter schools;

175 (C) the State Board of Regents;

176 (D) institutions of higher education;

177 (E) parents of home-schooled students;

178 (F) other state agencies; and

179 (G) business and industry representatives;

180 (ii) align public education STEM activities with higher education STEM activities; and

181 (iii) create and coordinate best practices among public education and higher education;

182 (b) with the consent of the Senate, appoint a director to oversee the administration of
183 the STEM Action Center;

184 (c) select a physical location for the STEM Action Center;

185 (d) strategically engage industry and business entities to cooperate with the STEM

186 board:

187 (i) to support high quality professional development and provide other assistance for
188 educators and students; and

189 (ii) to provide private funding and support for the STEM Action Center;

190 (e) give direction to the STEM Action Center and the providers selected through a

191 request for proposals process pursuant to this part; and
192 (f) work to meet the following expectations:
193 (i) that at least 50 educators are implementing best practice learning tools in
194 classrooms;
195 (ii) performance change in student achievement in each classroom participating in a
196 STEM Action Center project; and
197 (iii) that students from at least 50 schools in the state participate in the STEM
198 competitions, fairs, and camps described in Subsection [~~63N-12-205(2)(d)~~] 9-20-106(2)(d).
199 (2) The STEM board may:
200 (a) enter into contracts for the purposes of this part;
201 (b) apply for, receive, and disburse funds, contributions, or grants from any source for
202 the purposes set forth in this part;
203 (c) employ, compensate, and prescribe the duties and powers of individuals necessary
204 to execute the duties and powers of the STEM board;
205 (d) prescribe the duties and powers of the STEM Action Center providers; and
206 (e) in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act,
207 make rules to administer this part.
208 (3) The STEM board may establish a foundation to assist in:
209 (a) the development and implementation of the programs authorized under this part to
210 promote STEM education; and
211 (b) implementation of other STEM education objectives described in this part.
212 (4) A foundation established by the STEM board under Subsection (3):
213 (a) may solicit and receive contributions from a private organization for STEM
214 education objectives described in this part;
215 (b) shall comply with the requirements described in Section [~~63N-12-204.5~~] 9-20-105;
216 (c) does not have power or authority to incur contractual obligations or liabilities that
217 constitute a claim against public funds;

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

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

222 (f) may not:

223 (i) engage in lobbying activities;

224 (ii) attempt to influence legislation; or

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

226 (A) a political candidate; or

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

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

231 ~~[63N-12-204.5]~~. **9-20-105. STEM Action Center Foundation Fund.**

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

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

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

238 (4) Money collected by a foundation described in Subsections ~~[63N-12-204(3)]~~
239 9-20-104(3) and (4) shall be deposited into the fund.

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

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

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

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

249 ~~[63N-12-205].~~ **9-20-106. STEM Action Center.**

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

251 (a) establish a STEM Action Center;

252 (b) ensure that the STEM Action Center:

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

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

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

256 (i) further STEM education; and

257 (ii) ensure best practices are implemented as described in Sections ~~[63N-12-206 and~~

258 ~~63N-12-207]~~ 9-20-107 and 9-20-108;

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

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

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

265 (a) support high quality professional development for educators regarding STEM
266 education;

267 (b) ensure that the STEM Action Center acts as a research and development center for
268 STEM education through a request for proposals process described in Section ~~[63N-12-206]~~

269 9-20-107;

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

271 (i) high quality professional development;

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

299 (n) support best methods of high quality professional development for STEM
300 education in kindergarten through grade 12, including methods of high quality professional
301 development that reduce cost and increase effectiveness, to help educators learn how to most
302 effectively implement best practice learning tools in classrooms;

303 (o) recognize achievement in the STEM competitions, fairs, and camps described in
304 Subsection (2)(d);

305 (p) send student results from STEM competitions, fairs, and camps described in
306 Subsection (2)(d) to media and ask the media to report on them;

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

308 (r) support targeted high quality professional development for improved instruction in
309 STEM education, including:

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

311 (ii) use of applied instruction; and

312 (iii) introduction of other research-based methods that support student achievement in
313 STEM areas; and

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

315 (i) public education students; and

316 (ii) higher education students.

317 (3) The STEM board may prescribe other duties for the STEM Action Center in
318 addition to the responsibilities described in this section.

319 (4) (a) The director shall work with an independent evaluator to track and compare the
320 student performance of students participating in a STEM Action Center program to all other
321 similarly situated students in the state, if appropriate, in the following activities:

322 (i) public education high school graduation rates;

323 (ii) the number of students taking a remedial mathematics course at an institution of
324 higher education described in Section [53B-2-101](#);

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

326 postsecondary education program; and

327 (iv) the number of students, as compared to all similarly situated students, who are
328 performing at grade level in STEM classes.

329 (b) The State Board of Education and the State Board of Regents shall provide
330 information to the STEM board to assist the STEM board in complying with the requirements
331 of Subsection (4)(a) if allowed under federal law.

332 Section 7. Section **9-20-107**, which is renumbered from Section 63N-12-206 is
333 renumbered and amended to read:

334 ~~[63N-12-206].~~ **9-20-107. Acquisition of STEM education related**
335 **instructional technology program -- Research and development of education related**
336 **instructional technology through a pilot program.**

337 (1) For purposes of this section:

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

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

341 (2) (a) There is created the STEM education related instructional technology program
342 to provide public schools the STEM education related instructional technology described in
343 Subsection (3).

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

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

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

353 (a) support mathematics instruction for students in:
354 (i) kindergarten through grade 6; or
355 (ii) grades 7 and 8; or
356 (b) support mathematics instruction for secondary students to prepare the secondary
357 students for college mathematics courses.

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

- 361 (a) the technology contains individualized instructional support for skills and
362 understanding of the core standards in mathematics;
- 363 (b) the technology is self-adapting to respond to the needs and progress of the learner;
364 and
- 365 (c) the technology provides opportunities for frequent, quick, and informal assessments
366 and includes an embedded progress monitoring tool and mechanisms for regular feedback to
367 students and teachers.

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

- 371 (a) conduct a pilot of the program to test and select providers for the program;
 - 372 (b) select at least two providers through a direct award or sole source procurement
373 process for the purpose of conducting the pilot; and
 - 374 (c) select schools to participate in the pilot.
- 375 (6) (a) A contract with a provider for STEM education related instructional technology
376 may include professional development for full deployment of the STEM education related
377 instructional technology.
- 378 (b) No more than 10% of the money appropriated for the program may be used to
379 provide professional development related to STEM education related instructional technology

380 in addition to the professional development described in Subsection (6)(a).

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

383 ~~[63N-12-207]~~. **9-20-108. Distribution of STEM education instructional**
384 **technology to schools.**

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

387 (a) distribute STEM education related instructional technology described in Section
388 ~~[63N-12-206]~~ 9-20-107 to school districts and charter schools; and

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

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

394 (3) A school district or charter school that receives STEM education related
395 instructional technology as described in this section shall provide the school district's or charter
396 school's own computer hardware.

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

399 ~~[63N-12-208]~~. **9-20-109. Report to Legislature and the State Board of**
400 **Education.**

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

- 403 (a) the Education Interim Committee;
- 404 (b) the Public Education Appropriations Subcommittee;
- 405 (c) the State Board of Education; and
- 406 (d) the ~~[office]~~ department for inclusion in the ~~[office's]~~ department's annual written

407 report described in Section [~~63N-1-301~~] 9-1-208.

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

410 (a) the number of educators receiving high quality professional development;

411 (b) the number of students receiving services from the STEM Action Center;

412 (c) a list of the providers selected pursuant to this part;

413 (d) a report on the STEM Action Center's [~~fulfilment~~] fulfillment of its duties
414 described in Section [~~63N-12-205~~] 9-20-106; and

415 (e) student performance of students participating in a STEM Action Center program as
416 collected in Subsection [~~63N-12-205~~] 9-20-106(4).

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

419 [~~63N-12-210~~]. **9-20-110. Acquisition of STEM education high quality**
420 **professional development.**

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

424 (2) The high quality professional development application described in Subsection (1)
425 shall:

426 (a) allow the State Board of Education, a school district, or a school to define the
427 application's input and track results of the high quality professional development;

428 (b) allow educators to access automatic tools, resources, and strategies, including
429 instructional materials with integrated STEM content;

430 (c) allow educators to work in online learning communities, including giving and
431 receiving feedback via uploaded video;

432 (d) track and report data on the usage of the components of the application's system
433 and the relationship to improvement in classroom instruction;

- 434 (e) include video examples of highly effective STEM education teaching that:
- 435 (i) cover a cross section of grade levels and subjects;
- 436 (ii) under the direction of the State Board of Education, include videos of highly
- 437 effective Utah STEM educators; and
- 438 (iii) contain tools to help educators implement what they have learned; and
- 439 (f) allow for additional STEM education video content to be added.

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

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

445 ~~[63N-12-211]~~. **9-20-111. STEM education middle school applied science**
446 **initiative.**

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

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

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

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

457 ~~[63N-12-212]~~. **9-20-112. High school STEM education initiative.**

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

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

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

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

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

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

472 (a) a technical college described in Section 53B-2a-105;

473 (b) Salt Lake Community College;

474 (c) Snow College;

475 (d) Utah State University Eastern; or

476 (e) a private sector employer.

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

479 ~~[63N-12-213]~~. **9-20-113. Computer science initiative for public schools.**

480 (1) As used in this section:

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

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

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

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

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

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

491 (ii) "Institution of higher education" includes a technical college described in Section
492 [53B-2a-105](#).

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

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

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

499 (a) creating an online repository that:

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

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

503 (A) computational thinking skills; and

504 (B) computer coding skills;

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

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

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

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

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

514 (a) a school district;

- 515 (b) a charter school;
- 516 (c) an employer;
- 517 (d) an institution of higher education; or
- 518 (e) a non-profit organization.

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

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

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

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

531 ~~[63N-12-214]~~. **9-20-114. Computing Partnerships Grants program.**

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

- 535 (a) outreach and student engagement;
- 536 (b) courses and content;
- 537 (c) instruction and instructional support;
- 538 (d) work-based learning opportunities;
- 539 (e) student retention;
- 540 (f) industry engagement;
- 541 (g) stacked credentials that allow for multiple exit and entry points;

- 542 (h) competency-based learning strategies; and
- 543 (i) secondary and post-secondary collaborations.
- 544 (2) The grant program shall incentivize public schools and school districts to work
- 545 with the STEM Action Center, staff of the State Board of Education, Talent Ready Utah,
- 546 industry representatives, and secondary partners on the design and implementation of
- 547 comprehensive K-16 computing partnerships through:
 - 548 (a) leveraging existing resources for content, professional learning, and instruction,
 - 549 including existing career and technical education funds, programs, and initiatives;
 - 550 (b) allowing for the support of professional learning for pre- and in-service educators;
 - 551 (c) supporting activities that promote and enhance access, diversity, and equity;
 - 552 (d) supporting collaborations and partnerships between K-12, institutions of higher
 - 553 education, cultural and community partners, and industry representatives;
 - 554 (e) identifying the appropriate credentials that align with industry needs and providing
 - 555 the credentials in a stacked credentials pathway;
 - 556 (f) implementing a collaborative network that enables sharing and identification of best
 - 557 practices; and
 - 558 (g) providing infrastructure assistance that allows for the support of new courses and
 - 559 the expansion of capacity for existing courses.
- 560 (3) The grant program shall include the following:
 - 561 (a) rigorous and relevant metrics that are shared by all grant participants; and
 - 562 (b) an evaluation by the STEM Action Center of the grant program that identifies best
 - 563 practices.
 - 564 (4) The STEM Action Center, in consultation with the State Board of Education, shall:
 - 565 (a) in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act,
 - 566 adopt rules:
 - 567 (i) for the administration of the grant program and awarding of grants; and
 - 568 (ii) that define outcome-based measures appropriate to the type of grant awarded under

569 this part;

570 (b) establish a grant application process;

571 (c) in accordance with Subsection (5), establish a review committee to make

572 recommendations for:

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

574 (ii) approval of a grant application; and

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

576 and

577 (d) with input from the review committee, adopt metrics to analyze the quality of a

578 grant application.

579 (5) (a) The review committee shall consist of K-16 educators, staff of the State Board

580 of Education, representatives of Talent Ready Utah, post-secondary partners, and industry

581 representatives.

582 (b) The review committee shall:

583 (i) review a grant application submitted;

584 (ii) make recommendations to a grant applicant to modify the grant application, if

585 necessary; and

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

587 (6) The STEM Action Center shall report annually on the grant program to the State

588 Board of Education and any findings and recommendations on the grant program shall be

589 included in the STEM Action Center annual report to the Education Interim Committee.

590 Section 15. Section **53E-6-903**, which is renumbered from Section 63N-12-209 is

591 renumbered and amended to read:

592 ~~[63N-12-209].~~ **53E-6-903.** **STEM education endorsements and incentive**

593 **program.**

594 (1) As used in this section, "STEM" means science, technology, engineering, and

595 mathematics.

596 ~~[(1)]~~ (2) The ~~[State Board of Education]~~ state board shall ~~[collaborate with the STEM~~
597 ~~Action Center to]~~:

598 (a) develop STEM education endorsements; and

599 (b) create and implement financial incentives for:

600 (i) an educator to earn an elementary or secondary STEM education endorsement
601 described in Subsection ~~[(1)]~~ (2)(a); and

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

603 ~~[(2)]~~ (3) ~~[In accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking~~
604 ~~Act, the State Board of Education]~~ The state board shall make rules establishing the uses of
605 STEM education endorsements described in Subsection ~~[(1)]~~ (2), including that:

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

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

610 Section 16. Section **63N-1-301** is amended to read:

611 **63N-1-301. Annual report -- Content -- Format -- Strategic plan.**

612 (1) The office shall prepare and submit to the governor and the Legislature, by October
613 1 of each year, an annual written report of the operations, activities, programs, and services of
614 the office, including the divisions, sections, boards, commissions, councils, and committees
615 established under this title, for the preceding fiscal year.

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

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

619 (b) data and metrics:

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

622 (ii) that are consistent and comparable for each state operation, activity, program, or

623 service that primarily involves employment training or placement as determined by the
624 executive directors of the office, the Department of Workforce Services, and the Governor's
625 Office of Management and Budget;

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

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

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

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

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

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

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

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

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

641 (4) The office shall:

642 (a) submit the annual report in accordance with Section 68-3-14;

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

645 (c) provide the data and metrics described in Subsection (2)(b) to the Talent Ready
646 Utah Board created in Section 63N-12-503.

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

648 (i) in consultation with the organizations described in Subsection (5)(c), coordinate the
649 development of a written strategic plan that contains a coordinated economic development

650 strategy for the state; and
651 (ii) provide the strategic plan to the president of the Senate, the speaker of the House of
652 Representatives, and the Economic Development and Workforce Services Interim Committee.
653 (b) The strategic plan shall:
654 (i) establish a statewide economic development strategy that consists of a limited set of
655 clear, concise, and defined principles and goals;
656 (ii) recommend targeted economic development policies that will further the
657 implementation of the economic development strategy described in this section;
658 (iii) identify each of the relevant state-level economic development agencies, including
659 the agencies described in Subsection (5)(c);
660 (iv) outline the functional role in furthering the state's economic development strategy
661 for each relevant state-level economic development agency;
662 (v) establish specific principles and make specific recommendations to decrease
663 competition and increase communication and cooperation among state-level economic
664 development agencies, providers and administrators of economic development programs in the
665 state, nonprofit entities that participate in economic development in the state, and local
666 governments;
667 (vi) recommend a fundamental realignment of economic development programs in the
668 state to ensure each program's purpose is congruent with the mission of the organization within
669 which the program is located;
670 (vii) address rural economic development by:
671 (A) establishing goals and principles to ensure the state's economic development
672 strategy works for both urban and rural areas of the state; and
673 (B) providing recommendations on how existing rural economic development
674 programs should be restructured or realigned;
675 (viii) assess the effectiveness of the state's economic development incentives and make
676 recommendations regarding;

677 (A) how incentive policies could be improved; and
678 (B) how incentives could be better coordinated among state-level economic
679 development agencies and local governments;
680 (ix) make recommendations regarding how to align the state's economic development
681 strategy and policies in order to take advantage of the strengths and address the weaknesses of
682 the state's current and projected urban and rural workforce;
683 (x) make recommendations regarding how to monitor and assess whether certain
684 economic development policies further the statewide economic development strategy described
685 in this section, including recommendations on performance metrics to measure results; and
686 (xi) align the strategic plan with each element of the statewide economic development
687 strategy.
688 (c) The office shall coordinate the development of the strategic plan by working in
689 coordination with and obtaining information from other state agencies, including:
690 (i) the Department of Workforce Services;
691 (ii) the Office of Energy Development;
692 (iii) the State Board of Education;
693 (iv) the State Board of Regents; and
694 (v) the Utah System of Technical Colleges Board of Trustees.
695 (d) If contacted by the office, other state agencies, including those described in
696 Subsection (5)(c), shall, in accordance with state and federal law, share information and
697 cooperate with the office in coordinating the development of the strategic plan.
698 Section 17. Section **63N-12-505** is enacted to read:
699 **63N-12-505. Utah Works.**
700 (1) There is created within the center the Utah Works Program.
701 (2) The program, under the direction of the center and the talent ready board, shall
702 develop workforce solutions that meet the needs of businesses that are creating jobs and
703 economic growth in the state by:

704 (a) partnering with the office, the Department of Workforce Services, the Utah System
705 of Higher Education, and the Utah System of Technical Colleges;

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

707 (c) coordinating with the Department of Workforce Services to create effective
708 recruitment initiatives to attract student and workforce participants and business participants to
709 the program;

710 (d) coordinating with the Utah System of Higher Education and the Utah System of
711 Technical Colleges to develop educational and training resources to provide student
712 participants in the program qualifications to be hired by business participants in the program;
713 and

714 (e) coordinating with the Board of Education and local education agencies when
715 appropriate to develop educational and training resources to provide student participants in the
716 program qualifications to be hired by business participants in the program.

717 (3) The office, in consultation with the talent ready board, may, in accordance with
718 Title 63G, Chapter 3, Utah Administrative Rulemaking Act, and in accordance with the
719 provisions of this section, make rules regarding the development and administration of the
720 Utah Works Program.

721 (4) The center shall report the following metrics to the office for inclusion in the
722 office's annual report described in Section [63N-1-301](#);

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

724 (b) the number of participants who have completed training offered by the program;
725 and

726 (c) the number of participants who have been hired by a business participating in the
727 program.

728 **Section 18. Appropriation.**

729 The following sums of money are appropriated for the fiscal year beginning July 1,
730 2019, and ending June 30, 2020. These are additions to amounts previously appropriated for

731 fiscal year 2020. Under the terms and conditions of Title 63J, Chapter 1, Budgetary Procedures
732 Act, the Legislature appropriates the following sums of money from the funds or accounts
733 indicated for the use and support of the government of the state of Utah.

734 ITEM 1

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

736 From General Fund, One-time \$4,000,000

737 From General Fund \$1,000,000

738 Schedule of Programs:

739 Utah Works Program \$5,000,000

740 Section 19. **Effective date.**

741 This bill takes effect on July 1, 2019.