	Priority 1: Equity and Access								
	Goal 1: Promote Equitable Opportunity for STEM Education Across Nevada								
	Identify schools and programs with a	Develop a coalition to identify and	Increase the number of high-quality	Increase the opportunities for applied	-	Increase STEM mentorship and			
	proven track record of engaging		informal/after school STEM programs.	learning, internships and	enrollment and distance learning	provide increased access to role			
		development and increase the scale	Identify and scale existing programs	apprenticeships in STEM disciplines	programs within STEM disciplines to	models, professional networks, and			
Key Strategies	groups in STEM, identify best	of STEM programs that seek to	with positive results.	develop outreach plans to	reduce inequities in access. Provide	successful alumni.			
	practices involved, and disseminate	increase equity.		underrepresented demographic	students with detailed information.				
	information across the STEM			groups.					
	community.								
Stakeholders	OSIT, SAC	OSIT, SAC		NDE, K-12, Business & Industry, OWINN	NDE, SBE, Legislature	OSIT, Business & Industry, K-12			
	Start with designated STEM schools		NDE CCR Grant	OWNINI	OCIT/CCN/CCCD science dual	Linking CTEM Coalition's CTEM			
	Start with designated STEM schools		INDE CCR Grant		OSIT/CSN/CCSD science dual	Linking STEM Coalition's STEM Ambassador program to STEMHub			
					enrollment project				
						website			
<b>Current Efforts</b>									
Current Litorts									
				NDE WBL funding					
				OWINN beginning to work on					
				apprenticeships					
Nooded Effects									
Needed Efforts									
			Priority 2: Quality and S	Scope					

		Goal 1: Improve th	e Quality and Quantity of STEI	M Education in Nevada School	s	
Key Strategies	Make science scores count more heavily in administrator and principal evaluations, once the state science test and state adopted science standards are in alignment.	Increase the use of hands-on, experiential STEM learning in all grades, with particular emphasis in grades 1-5.	Increase the percentage of elementary schools that teach science three plus hours per week.	Increase the percentage of high schools that require three years of science and four years of mathematics.	Increase the percentage of students taking and passing pre-calculus and calculus in high school.	Increase the number of STEM-focused CTE pathways in schools throughout Nevada.
Stakeholders	K-12, NDE, SBE	K-12, NDE, OSIT, Non-profits, RPDP	SBE, K-12, NDE	SBE, K-12, NDE	SBE, K-12, NDE	NDE, K-12
Current Efforts						
Needed Efforts						
			lity and Quantity of STEM Educ		tinued)	
Key Strategies	Increase the number of internships, job shadowing, and summer research programs, and expand partnerships with local industry.	Restrict State K-12 STEM funding (College and Career Readiness Grant) to evidence-based, high-quality formal and informal STEM practices and programs. Create a stable, dedicated funding source for STEM and use State STEM funding to scale	Develop and promote the creativity in STEM via STEAM and design.			
Stakeholders	NDE, K-12, OSIT, DETR, Business, RDAs	NDE, SAC, Legislature, OSIT	SAC, OSIT, Business, Non-profit			
Current Efforts		OSIT/NDE Discussions				
Needed Efforts						

Goal 2: Increase the Quality and Quantity of STEM Professional Development Opportunities for Teachers and Administrators								
Key Strategies	Create and advertise a certificate or endorsement for STEM for teachers.	Restrict the use of state funds (Great Teaching and Leading Fund) to evidence-based, proven professional development programs and	Increase the number of teachers receiving STEM high-quality and researched-based professional development.	Develop STEM professional development for administrators, school board members, and other community leaders.	Identify teachers, classrooms, and schools that can serve as models for demonstrating exemplary STEM teaching and learning.	Provide greater support to pre-service teachers and administrators studying STEM.		
Stakeholders	Commission on Professional	curriculum. SBE, K-12, Legislature, OSIT	K-12, NDE, RPDP	K-12, NDE, SBE, RPDP	K-12, RPDP, OSIT	Higher education, SBE, K-12		
Current Efforts	Standards, RPDP, NSHE OSIT/NDE Discussions	OSIT/NDE Discussions						
Needed Efforts					Start with STEM School designees			
				Opportunities for Teachers a	nd Administrators (continued)			
Key Strategies	Grow the number of STEM teachers trained by Nevada colleges and universities by starting or expanding innovative programs that market the teaching profession to students pursuing STEM majors.	Scale existing programs that provide alternative routes to licensure for STEM professionals.	Provide externship opportunities for teachers at STEM businesses that give real-world context to teachers and count towards requirements for professional development.	,				
Stakeholders	Higher education	NDE, K-12, RPDP	NDE, RPDP, K-12, Business					
Current Efforts	Nevada Institute on Teaching and Educator Preparation							
Needed Efforts								

	Goal 3: Identify and Scale Best Practices							
Key Strategies	Increase the number of schools that receive the Governor's STEM School Designation each year.  SAC, OSIT, K-12	Create a teachers' forum that would serve as a statewide STEM professional learning community for educators to collaborate on best practices in teaching STEM.	Identify and support the best informal and out-of-school STEM learning opportunities that challenge students to develop critical thinking, problem solving, collaboration, and teamwork skills.  OSIT					
Stakeholders	5/10, 03H, K 12							
Current Efforts		STEMHub website	Subcommittee					
Needed Efforts	Create Nevada bluepring							
			Goal 4: Increase Sco	pe				
Key Strategies	Integrate Arts, Culture, and Computer Science programs, activities and curricula into STEM, both during the school day and after school.	professional development to teachers and adopt course requirements for pre-service teachers.	Science courses (Advanced Placement					
Stakeholders	SBE, SAC NDE, K-12, Business Community, Non-profit Community	NDE, SBE, SAC, K-12, RPDP, Higher Education	NDE, SBE, SAC, NSHE					
Current Efforts	Subcomittee	Subcommittee SB200	SB200					
Needed Efforts								

Priority 3: Interest and Awareness									
	Goal 1: Increase Student, Parent, and Teacher Interest In and Awareness of STEM								
Key Strategies	Develop an ongoing, robust STEM marketing campaign targeting students, parents, teachers, business, and other community leaders disseminating information about pathways to STEM careers.	Develop and promote a dedicated STEM website with career pathways, STEM teaching, and corporate engagement resources targeting students, parents, job seekers and employers.	Scale and coordinate existing STEM outreach efforts to students, parents, teachers, counselors, and other stakeholders under a common message regarding formal and informal opportunities to learn about STEM and for STEM careers.	Develop and administer a survey to STEM stakeholders such as students, parents, teachers, and employers.					
Stakeholders	OSIT, SAC, NDE, OWINN, Non-profit Community	OSIT, GOED, DETR, NSHE, K-12	Higher education, K-12, OSIT, NDE, Non-profit Community, Business	OSIT					
<b>Current Efforts</b>	STEMhub and OSIT budget	STEMHub website	Northern Nevada Career Tech promotion effort						
Needed Efforts			Similar effort in Southern Nevada						
	Goal 2	2: The Creation of a Society tha	nt Recognizes the Importance o	of STEM Education in Creating a	Nibrant Economy				
Key Strategies	Educate stakeholders about the STEM strategic plan.	Work with local governments to incorporate STEM into urban and regional plans.	Increase corporate philanthropy in STEM to scale evidence-based, effective and coordinated programs.						
Stakeholders	OSIT, SAC	OSIT, SAC, Higher Education, K-12	Business Community						
Current Efforts									
Needed Efforts									

			Priority 4: Engagement and	Alignment			
Goal 1: Align Curriculum and Programs with the Skills Required by STEM Employers							
Key Strategies	STEM education that aligns with	Align secondary and postsecondary STEM content and programs with workforce and economic needs.	Use NPWR and/or GOED data, and employer feedback to identify STEM workforce needs and gaps in the educational pipeline, and reallocate resources to effective, proven programs in K-12/higher education that lead to skills in targeted industry sectors and away from programs that do not.	Invest in workforce training programs that provide education and training for in-demand, targeted STEM occupations.	Align STEM degree and certificate attainment with industry needs.	Increase training and educational opportunities at the worksite, including internships and apprenticeships. Allocate credit toward a degree or credential for relevant work-based-learning.	
Identified Stakeholders	OSIT, GOED, OWINN, Sector Councils, DETR, Governor's Workforce Development Board, NDE, K-12	NDE, K-12, Higher Education, GOED, DETR, OSIT, SBE	OWINN, DETR, GOED, NSHE, NDE, K- 12, Business Community, OSIT	Legislature, OSIT, DETR, Governor, NDE, K-12	Higher education, NDE, K-12, Governor	Business Community, K-12, NDE, DETR, Higher education	
Current Efforts				OSIT/GOED workforce training funding		NDE/OWINN have legislative mandate	
Needed Efforts							

Goal 2: Increase STEM Education, Workforce Development, and Economic Development Coordination and Cooperation Amongst State and Local Government, Higher and K-12 Education, Businesses, and Other Stakeholders

Kay Stratagies	cooperation among government,	university presidents'/K-12 superintendents' presences in the business community and encourage the establishment of educational liaisons from business to formalize relationships with schools.	Incentivize and provide time for faculty teachers to engage in business and community STEM partnerships. Teachers should receive professional development in developing partnerships, including partnerships outside the geographic region. Efforts to establish partnerships with STEM businesses and community organizations should be tracked and reported on as a part of school leaders' evaluations.	brokering and maintaining industry- school/university partnerships. Develop a list of partnerships	•	
Identified	Everyone	SAC, OSIT, Business, Higher education,	SAC, OSIT, K-12, RPDP	SAC, OSIT, GOED	SBE, NDE, Legislature, Business, K-12,	
Stakeholders		K-12			OSIT	
Current Efforts						
Needed Efforts						
	Goal 3: Prom	ote the Effective Leveraging of	State and Federal Funding, su	ch as Funding Found in the Eve	ery Student Succeeds Act	
	Include STEM as a main component of		2.			
	the Nevada's Every Student Succeed Act (ESSA) plan.					
Identified	NDE, Governor					
Stakeholders						
Current Efforts						
Needed Efforts						