Technology Applications Work Group A Recommendations

Work Group A met in July 2021 to develop recommendations he review and revision of the technology applications Texas Essential Knowledge and Skills (TEKG) ecognition of the opportunities and threats presented by our energeasing digital worldnd to be compliant with current legislation. Work Group A suggests the following ecommendations for revising the TEKS the table below outlines the focus areas, recommendations, and rationales developed from the technology applications TEKS survey, content advisor consensus recommendation for Work Group A.

Focus Area	Recommendations	Rationale
Introduction to the TEKS	The introduction to the echnology application S EKS should incorporate language that allows teachers the fleixing to	Technology evolves at a rapid pace. This recommendation allows teachers the flexibility
	incorporate new and emerging technology without being to specific to existing devices and technology.	to include new technologies into instruction, while not limiting certain devices.
	Content advisors recommended including language in the introduction regarding districts' flexibility in offering technology applications as an integrated or standine course. Work Group A dirbt come to cosensus regarding this recommendation. There were multiple viewpoints regarding this issue. One were multiple viewpoints to not include sentences that recommend flexibility of offeringechnology applications integrated within all content areais the introduction The members who held this viewpoint expressed concern that i districts are encouraged to be flexible, they will not employ technology applications teacher second viewpoint to include the language recommended by the content advisor becausesomedistrict maynot have theresources offer standalone technology applications class fisally, athird viewpoint is to incorporate language that encourage slistricts to have a standalone class/course.	F
	TEC§28.002(c3), which outlines requirements for the technology applications essential knowledge and skills, sho	buld

Focus Area	Recommendations	Rationale
Conceptuaframework	Alignto Computer Science Teachers Associat Cost (Aand	CSTA and ISTE have national standards tha
	International Society for Echnology in Education (T)	have been widely accepted by other states.
	standards	These standards align with college and care
		readiness.
	Use the CSToconcepts and subconcepts as a guide to	
	formulate newtechnology applicationstrandsfor the	
	technology applications TEKS	
	Starting from CSTA standards;alegn/revise/remove existing	
	technology application S EKS to fit into new strands where	
	applicable to ensure concepts required by 326.002(c3)	
	are incorporated: coding, computer programming,	
	computational thinking, andybersecurity. Additionally,	
	revise thetechnology applicationsTEKSsising the ISTE	
	Standardsfor Students as a lerte ensure all important	
	concepts have been incorporated	
Structure/organization	Separatœurrent grade band≰K-grade 2, grades-5) into	
	individual grade levels.	

Work Group A supports the content advisors reco5394299.88tp6 >1 Tc 0.00368.52 299.88 Tm ((K)Tj ET Q q 228 18 (r)-2.8 (r)-2..2 ()1q 228 1q 228 1q 228 (a)1

Focus Area	Recommendations	Rationale
Vertical alignment	Use CSTA progression chartguide vertical alignment.	The CSTA rogression charserves as a good frame of reference to ensure vertical alignment
	Vertically align the techologyapplicationsTEKS from	and that technology skills are developmentally
	kindergarten through grade 8 to support high school cours	eappropriate by grade levelt also allows for preparationfor and alignment with high school courses.
Digitalcitizenship/leadership	Review thehealth education standardsegarding digital citizenship to ensure consistency and to reinforce important concepts	
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Focus Area	Recommendations	Rationale
Process for TEKS review	Work Group A recommends the following process for revis the technology applications TEKS:	
	1. Use the CSTooncepts and subconcepts as a guide to formulate newtechnology applicationsElSstrands	
	2. Starting from CSTA standardsalign/revise/remove existingtechnology application TEKS to fit into new strands where applicable ensureconcepts required by TEC §28.002(c3) are incorporated: coding, computer	
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