

Technology Integration: Do You Know It When You See It?

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3 GOALS

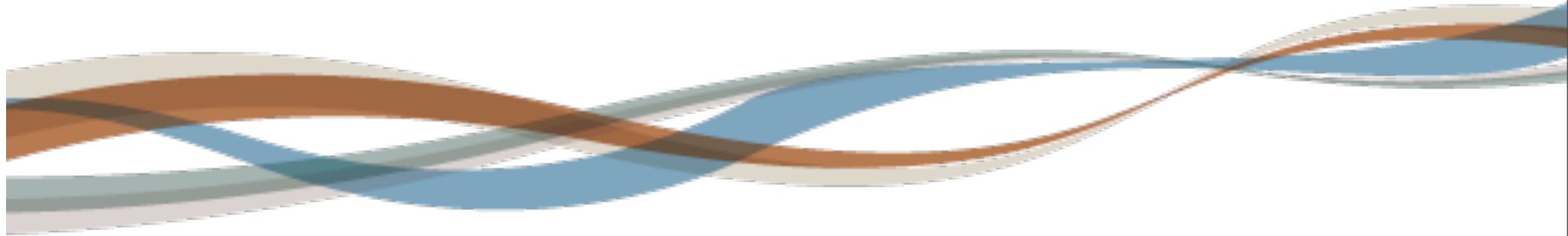
1. Examine some elements of tech integration for teaching and learning

2. Explore some models and resources for integrating technology

3. Consider technology's impact on teaching and learning in our schools



The standards for learning, leading, and teaching in the digital age.

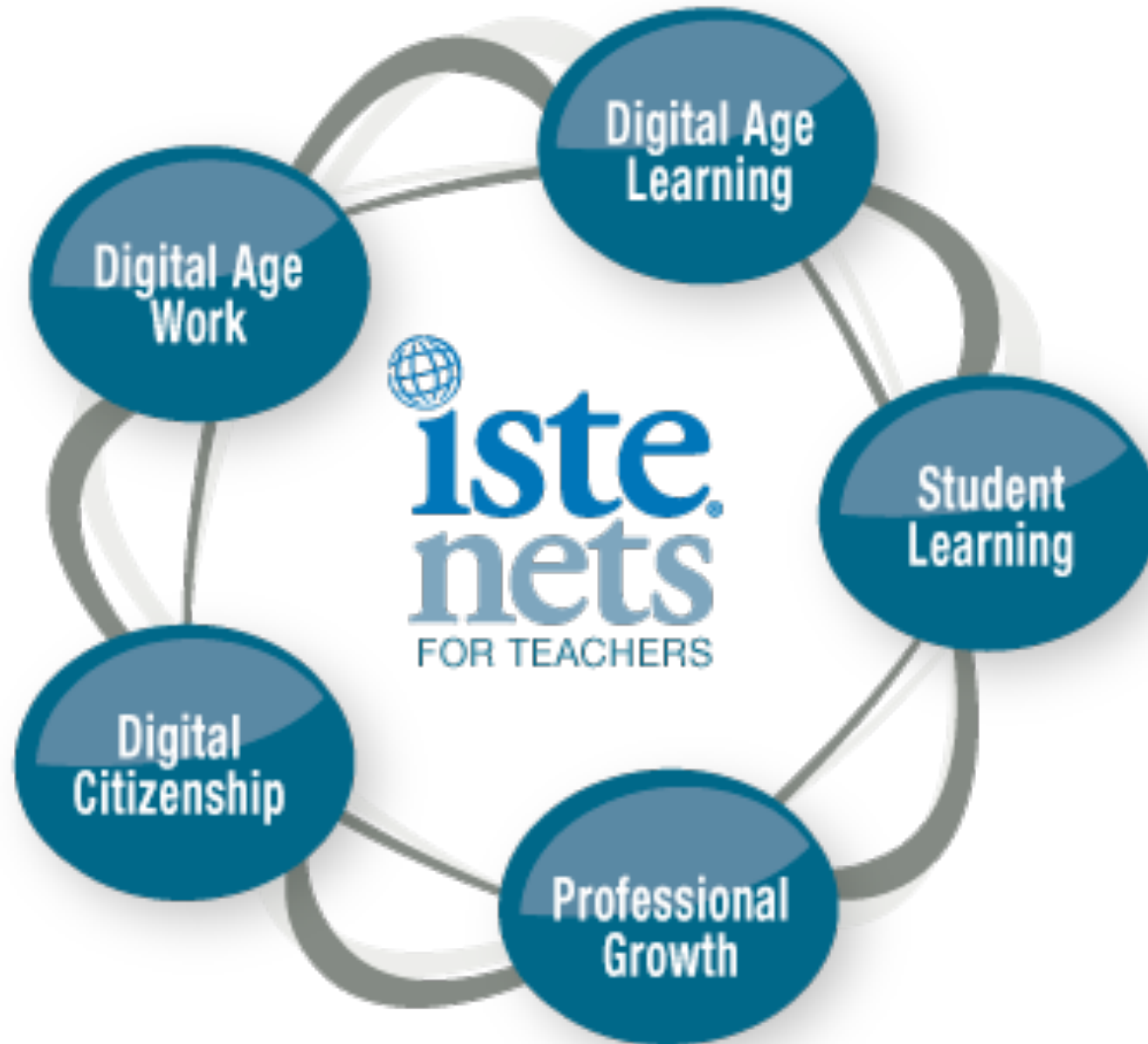


<http://www.iste.org/standards>

NETS - Students



NETS - Teachers



NETS - Administrators



NETS - Coaches





**Technical
Knowledge**

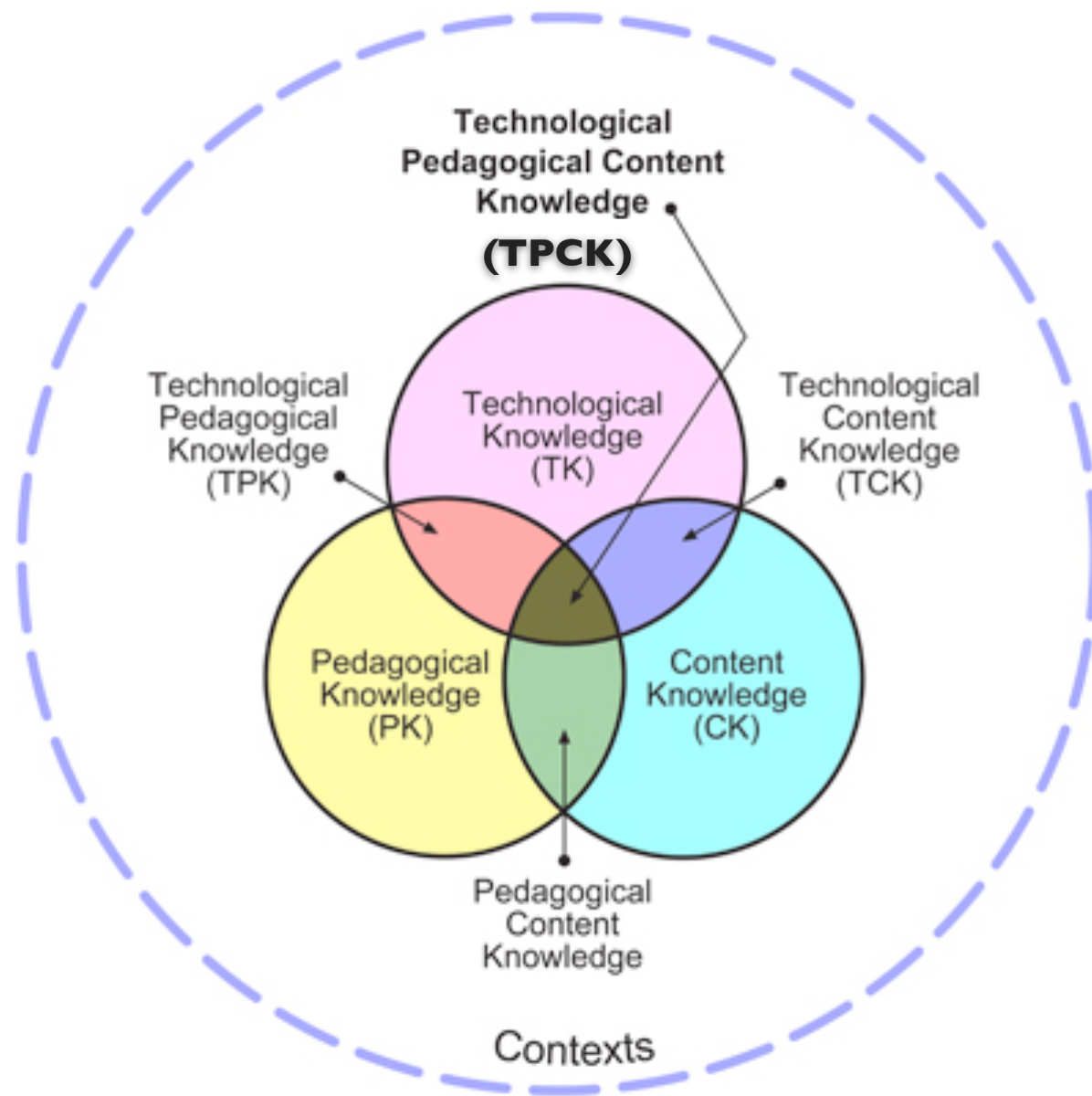
TPCK Model of Integrated Teaching



**Pedagogical
Knowledge**



**Content
Knowledge**



Select one item from each column

Column 1	Column 2	Column 3
digital microscope	literature circles	English/Language Arts
digital camera	socratic discussion	Mathematics
digital voice recorder	think-pair-share	Science
iLife/iWork/OSX program	cooperative groups	Social Studies
internet website	graphic organizers	Business
interactive whiteboard	lecture	Technology Education
YouTube video	demonstration	Health & Physical Education
iPad	hands on problem solving	Family and Consumer Science
voice/video chat	real world learning	Visual Arts
cellphone	simulation	Performing Arts
iTunes/iTunes U	jeopardy game	World Languages
Web 2.0 tool or resource	laboratory experiment	Integrated Studies
TED video	story telling	Professional Development
some other tech tool	other pedagogy	other content

Using the items your group selected design a learning activity that incorporates (T)technology knowledge, (P)pedagogy knowledge, and (C)content knowledge.

T r a n s f o r m a t i o n

R Redefinition	tech allows for creation of new tasks previously inconceivable	video, hot links, software, apps, wikis blogs, videoconferencing	Skype with experts, combine results via wikis and blogs, publish world wide online, collaborate with experts world-wide
M Modification	tech allows for significant task redesign	integrated graphs, images spreadsheets, email collaboration	spreadsheets, graphs, email with others, redesign lab, send to teacher via email
A Augmentation	tech is a tool substitute with some improvement	word processing with spell check, cut and paste	grammar. spell check, cut. paste, print, hand in
S Substitution	tech is a tool substitute with no functional change	word processor used as a typewriter	word process lab report, print out, hand in

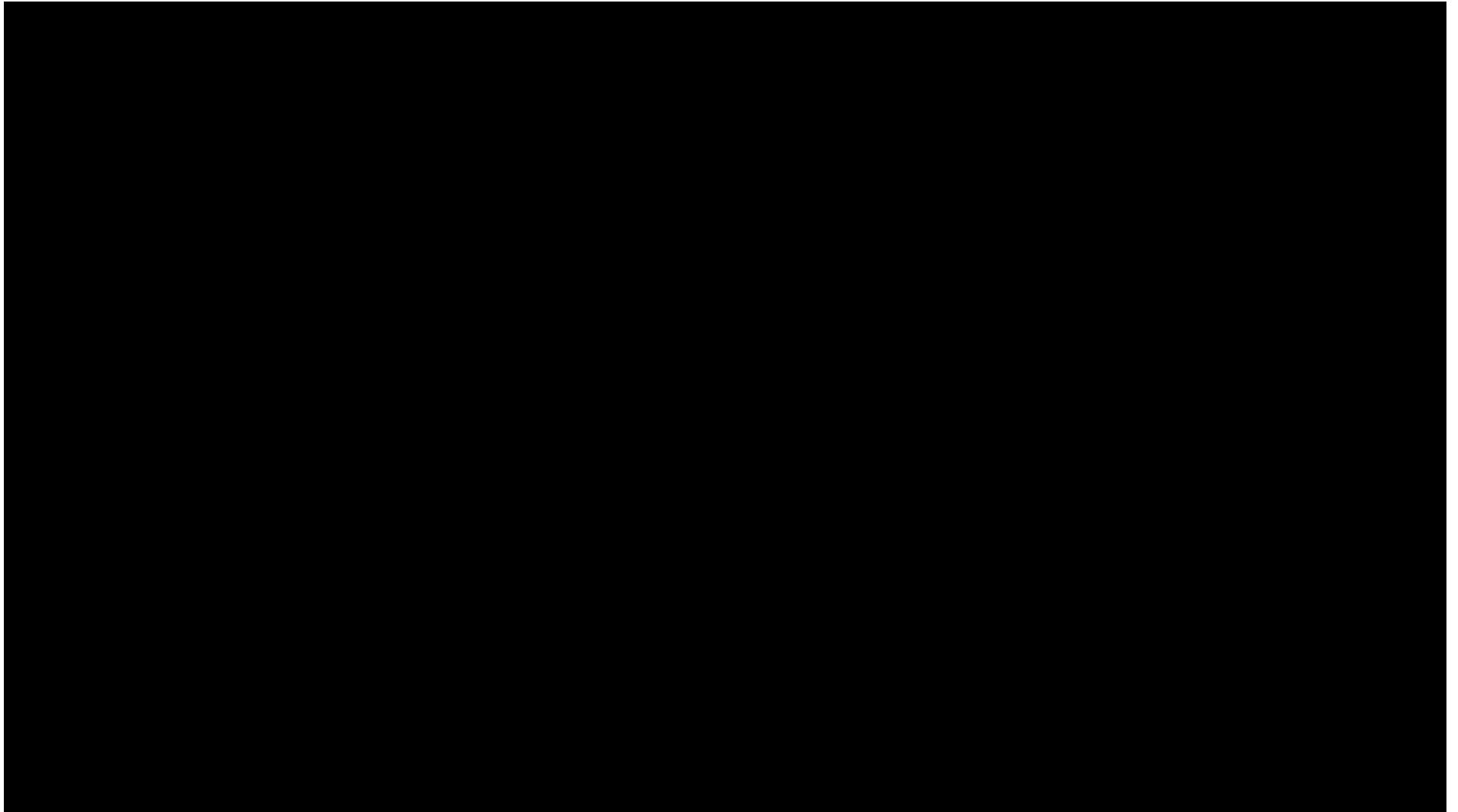
E n h a n c e m e n t

T r a n s f o r m a t i o n

R Redefinition	tech allows for creation of new tasks previously inconceivable	video, hot links, software, apps, wikis blogs, videoconferencing	Skype with experts, combine results via wikis and blogs, publish world wide online, collaborate with experts world-wide
M Modification	tech allows for significant task redesign	integrated graphs, images spreadsheets, email collaboration	spreadsheets, graphs, email with others, redesign lab, send to teacher via email
A Augmentation	tech is a tool substitute with some improvement	word processing with spell check, cut and paste	grammar. spell check, cut. paste, print, hand in
S Substitution	tech is a tool substitute with no functional change	word processor used as a typewriter	word process lab report, print out, hand in

E n h a n c e m e n t

Which one? S - A - M - R???



<http://www.youtube.com/watch?v=D7o7BrlbaDs>