

Comparison of Frameworks Describing Attributes Necessary for Success in the 21st Century

Brilliant Star¹ Focus on Developmental Processes and Holistic Outcomes		Partnership for 21st Century Skills^{2,3} Focus on Preparation for Work and Citizenship	The Deep Learning Competencies^{4,5} Focus on developing the whole person	Wagner^{6,7} Focus on Entrepreneurship and Work
Domains	Attributes			
Self & Self-views	<ul style="list-style-type: none"> • Balanced – develop integrated relationships among mind-body-spirit-social-moral components of self • Reflective – develop understandings of own style, interests, strengths, and limitations • Engaged – identifies and engages in absorbing learning and living activities 			
Cognitive / Thinking	<ul style="list-style-type: none"> • Knowledgeable <ul style="list-style-type: none"> ○ Artist ○ Craftsman ○ Historian ○ Mathematician ○ Philosopher ○ Scientist ○ Writer/Story teller ○ Integral 	<ul style="list-style-type: none"> • Core Subjects <ul style="list-style-type: none"> ○ English, reading & Language Arts ○ World Languages ○ Arts ○ Mathematics ○ Economics ○ Science ○ Geography ○ History ○ Government & Civics 	Covered separately in national, state, or local curriculum	
	<ul style="list-style-type: none"> • Thinkers – initiates critical and creative thinking in approach to challenges and opportunities <ul style="list-style-type: none"> ○ Gathers data through the senses ○ Thinks and communicates with clarity and precision ○ Strives for accuracy ○ Thinks flexibly ○ Creates, imagines, innovates ○ Applies past knowledge to new situations ○ Questions and poses problems ○ Develops metacognition skills 	<ul style="list-style-type: none"> • Thinking Processes <ul style="list-style-type: none"> ○ Reason effectively ○ Use systems thinking ○ Make judgments & decisions ○ Solve problems • Information Literacy <ul style="list-style-type: none"> ○ Access and evaluate information ○ Use & manage information 	Critical Thinking <ul style="list-style-type: none"> • Evaluating information and arguments • Making connections and identifying patterns • Problem solving • Meaningful knowledge construction • Experimenting, reflecting, and taking action on ideas in the real world 	<ul style="list-style-type: none"> • Accessing and analyzing information • Critical thinking and problem solving • Problem finding • Systems analysis

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Cognitive / Thinking (continued)		<ul style="list-style-type: none"> • Thinking Processes <ul style="list-style-type: none"> ○ Think Creatively 	Creativity <ul style="list-style-type: none"> • Economic and social entrepreneurialism • Asking the right inquiry questions • Considering and pursuing novel ideas and solutions • Leadership for action 	<ul style="list-style-type: none"> • Curiosity and imagination • Creative and innovative thinking • Capacity for design thinking
Affect / Emotions	<ul style="list-style-type: none"> • Emotionally developed – develops awareness and appropriate display and regulation of one’s emotions <ul style="list-style-type: none"> ○ Aware of own emotions ○ Aware of other’s emotions ○ Appropriately displays emotions ○ Manages and self-regulates emotions • Develops optimism – develops sense of possible positive outcomes <ul style="list-style-type: none"> ○ Experiences pleasurable emotions ○ Applies positive thinking skills ○ Modifies affect in thinking ○ Explains causes • Develops gratitude – develop feeling of appreciation • Caring – shows empathy, compassion, and respect towards feelings and needs of others <ul style="list-style-type: none"> ○ Identifies other’s needs ○ Helps others 			<ul style="list-style-type: none"> • Emotional intelligence • Tolerate failure

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Conation / Volition	<ul style="list-style-type: none"> • Inquirers – develops skills of independent and group-based investigation <ul style="list-style-type: none"> ○ Open to continuous learning ○ Achievement motivated • Risk-takers – develops willingness to approach new situations <ul style="list-style-type: none"> ○ Sets reachable goals ○ Develops action plans ○ Acts assertively ○ Perseveres ○ Resists undesirable pressure • Resilient – capable of coping with hardships and negative events in one's life. 	<ul style="list-style-type: none"> • Implement innovations • Flexibility & Adaptability <ul style="list-style-type: none"> ○ Adapt to change ○ Be flexible • Initiative & Self-direction <ul style="list-style-type: none"> ○ Manage goals & time ○ Work independently ○ Be self-directed learners • Productivity & Accountability <ul style="list-style-type: none"> ○ Manage projects ○ Produce results 	Character <ul style="list-style-type: none"> • Learning to learn • Grit, tenacity, perseverance, and resilience • Self-regulation 	<ul style="list-style-type: none"> • Agility and adaptability • Initiative and entrepreneurship • An achievement orientation and a drive for results • Perseverance • Willingness to experiment • Take calculated risks
Physical / Kinesthetic	<ul style="list-style-type: none"> • Healthy lifestyle – develops knowledge, attitudes, and skills to engage in nutritional and physical activities associated with healthy lifestyle • Kinesthetic competence – develops appropriate large and small motor skills 	<ul style="list-style-type: none"> • Health Literacy 		

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Social / Interpersonal	<ul style="list-style-type: none"> • Communicators -- develops ability to express ideas with confidence and clarity <ul style="list-style-type: none"> ○ Listens with understanding and empathy ○ Monitors communication ○ Takes the perspective of others • Interpersonally skilled -- develops skills to successfully engage in social interactions <ul style="list-style-type: none"> ○ Works with individual and group differences ○ Becomes multicultural ○ Works with diversity in community ○ Cooperates, resolves conflicts, and makes peace • Makes and maintains friendships 		<p>Communication</p> <ul style="list-style-type: none"> • Coherent communication using a range of modes • Communication designed for different audiences • Substantive, multimodal communication <p>Collaboration</p> <ul style="list-style-type: none"> • Work interdependently as a team • Interpersonal and team-related skills • Social, emotional, and intercultural skills • Management of team dynamics and challenges 	
Spiritual / Transpersonal	<ul style="list-style-type: none"> • Meaning and purpose – develops an understanding of the ultimate reasons and goals of one’s life • Deep, personal relationships – develops an understanding of and value for meaningful connections in one’s life <ul style="list-style-type: none"> ○ Self ○ Others ○ Nature ○ Unknowns 			

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Moral Character	<ul style="list-style-type: none"> • Ethical sensitivity – develops ability to connect emotionally and take the perspective of others with regard to ethical and moral issues <ul style="list-style-type: none"> ○ Examines bias ○ Prevents bias • Ethical judgment – develops ability to understand and reason about ethical and moral issues <ul style="list-style-type: none"> ○ Understands ethical problems ○ Develops ethical reasoning skills • Ethical motivation – develops values and intentions to engage in principled behavior <ul style="list-style-type: none"> ○ Respects others ○ Develops conscience ○ Develops ethical identity and integrity • Ethical action -- develops skills necessary to habitually engage in principled behavior <ul style="list-style-type: none"> ○ Acts responsibly ○ Meets obligations ○ Develops stewardship ○ Develops courage 		Character <ul style="list-style-type: none"> • Responsibility • Empathy for and contributing to the safety and benefit of others 	

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Citizenship	<ul style="list-style-type: none"> • Sociocultural Awareness – develops open-minded understanding of important sociocultural issues <ul style="list-style-type: none"> • Meeting basic needs • Peace and conflict resolution • Sustainability • Gender equity • Racial and ethnic equity • Religious freedom 	<ul style="list-style-type: none"> • Global Awareness • Civic Literacy • Environmental Literacy • Media Literacy <ul style="list-style-type: none"> ○ Analyze media ○ Create media products • ICT Literacy <ul style="list-style-type: none"> ○ Apply technology effectively 	Citizenship <ul style="list-style-type: none"> • Understanding of diverse values and worldviews 	
	<ul style="list-style-type: none"> • Value social structures – develops appreciation of social structures and traditions associated with democracy <ul style="list-style-type: none"> ○ Identifies and values traditions ○ Understands social structures ○ Practices democracy 	<ul style="list-style-type: none"> • Valuing social structures 	<ul style="list-style-type: none"> • Valuing social structures 	
	<ul style="list-style-type: none"> • Adult roles – develops knowledge, attitudes, and skills related to adult social roles <ul style="list-style-type: none"> ○ Family ○ Career ○ Finances 	<ul style="list-style-type: none"> • Financial, Economic, Business & Entrepreneurial Literacy • Family Literacy & Skills 	Creativity <ul style="list-style-type: none"> • Economic and social entrepreneurialism 	<ul style="list-style-type: none"> • Initiative (conation) and entrepreneurship
	<ul style="list-style-type: none"> • Active involvement – develops knowledge, attitudes, and skills for engagement in different levels of society <ul style="list-style-type: none"> ○ Local ○ State and national ○ Transnational ○ International ○ Global ○ Cosmic 		Citizenship <ul style="list-style-type: none"> • A global perspective • Genuine interest in human and environmental sustainability • Solving ambiguous, complex, and authentic problems 	

Note: **Yellow background** indicates that domain not mentioned, either in indicators or text; **Red text** indicates mentioned in text, but not included in indicators; **blue text** indicates implied in text.

References

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