

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	Wagner^{4,5} 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 	
	<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 	<ul style="list-style-type: none"> • Accessing and analyzing information • Critical thinking and problem solving • Problem finding • Systems analysis
			<ul style="list-style-type: none"> • Thinking Processes <ul style="list-style-type: none"> ○ Think Creatively

Comparison of Brilliant Star, Partnership for 21st Century Skills, and Wagner’s List of Desired Attributes (continued)

<p style="text-align: center;">Brilliant Star¹ Focus on Developmental Processes and Holistic Outcomes</p>	<p style="text-align: center;">Partnership for 21st Century Skills^{2,3} Focus on Preparation for Work and Citizenship</p>	<p style="text-align: center;">Wagner^{4,5} Focus on Entrepreneurship and Work</p>
<p style="text-align: center;">Affect / Emotions</p> <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
<p style="text-align: center;">Conation / Volition</p> <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 	<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

Comparison of Brilliant Star, Partnership for 21st Century Skills, and Wagner’s List of Desired Attributes (continued)

<p align="center">Brilliant Star¹ Focus on Developmental Processes and Holistic Outcomes</p>	<p align="center">Partnership for 21st Century Skills^{2,3} Focus on Preparation for Work and Citizenship</p>	<p align="center">Wagner^{4,5} Focus on Entrepreneurship and Work</p>	
<p align="center">Physical / Kinesthetic</p>	<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 	
<p align="center">Social / Interpersonal</p>	<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 	<ul style="list-style-type: none"> • Work Creatively with Others • Communicate clearly • Collaborate with others • Social & Cross-cultural skills <ul style="list-style-type: none"> ○ Interact effectively with others ○ Work effectively in diverse teams • Leadership & Responsibility <ul style="list-style-type: none"> ○ Guide & lead others • Be responsible to others 	<ul style="list-style-type: none"> • Effective oral and written communication • Collaboration across networks and leading by influence
<p align="center">Spiritual / Transpersonal</p>	<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 		

Comparison of Brilliant Star, Partnership for 21st Century Skills, and Wagner’s List of Desired Attributes (continued)

<p>Moral Character</p>	<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 		
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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 	
	<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"> • 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 	<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 		

References

1. Huitt, W. (2010). *A holistic view of education and schooling: Guiding students to develop capacities, acquire virtues, and provide service*. Paper presented at the 12th Annual International Conference sponsored by the Athens Institute for Education and Research (ATINER), May 24-27, Athens, Greece. Retrieved from <http://www.edpsycinteractive.org/papers/holistic-view-of-schooling.pdf>
2. Partnership for 21st Century Skills. (2009). *P21 framework definitions*. Washington, DC: Author. Retrieved from http://www.p21.org/documents/P21_Framework_Definitions.pdf
3. Trilling, B., & Fadel, C. (2009). *21st century skills: Learning for life in our times*. San Francisco: Jossey-Bass.
4. Wagner, T. (2008). *The global achievement gap: Why even our best schools don't teach the new survival skills our children need—and what we can do about it*. New York, NY: Basic Books.
5. Wagner, T. (2012). *Creating innovators: The making of young people who will change the world*. New York, NY: Simon & Schuster.

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