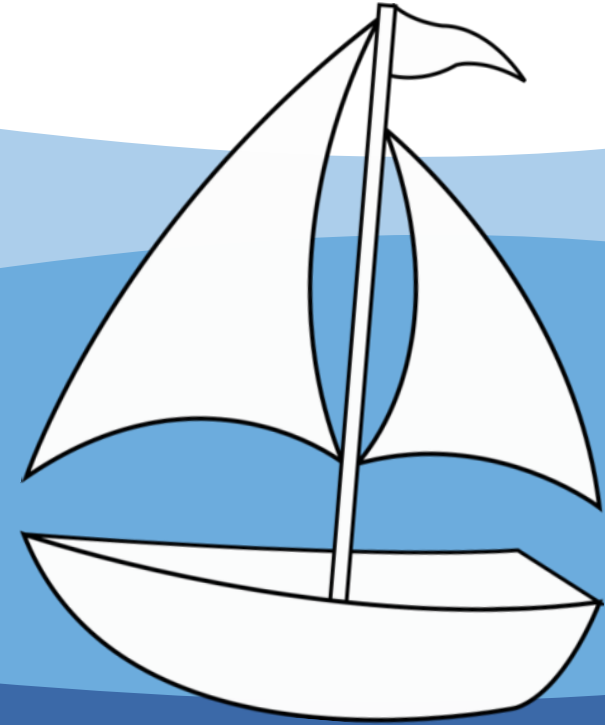


Three Waves of Creativity Research at Project Zero



[#PZ50th](#) | [#PZCreativity](#)

Welcome!



#PZ50th | #PZCreativity

Session Overview

- Introductions
- Creativity in Action: What Does It Look Like? (Activity)
- Three Waves of Creativity Research (Framing)
- Riding the Waves of Creativity Research (Panel Discussion)
- The Next Wave of Creativity Research (Presentation)
- Insights and Puzzles (Activity)
- Closing Reflections



Four Guiding Questions

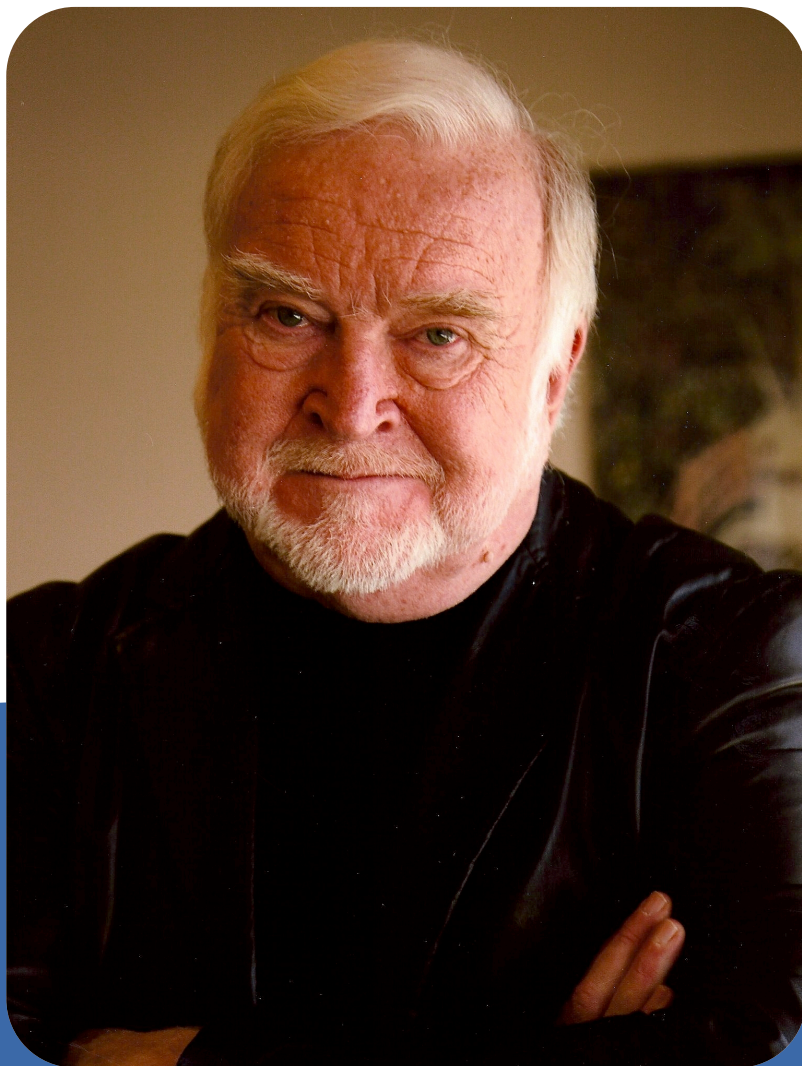
1. What is creativity and how does it develop?
2. How have our conceptions of creativity changed over the past fifty years?
3. How do we introduce issues of access and equity into the creativity in education conversation?
4. What will the creativity of the future look like?



Teresa Amabile



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Mihaly Csikszentmihalyi



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Edward Clapp



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Insights and Puzzles

@ProjectZeroHGSE
@TeresaAmabile
@EdwardPClapp



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What is creativity and how does it develop?



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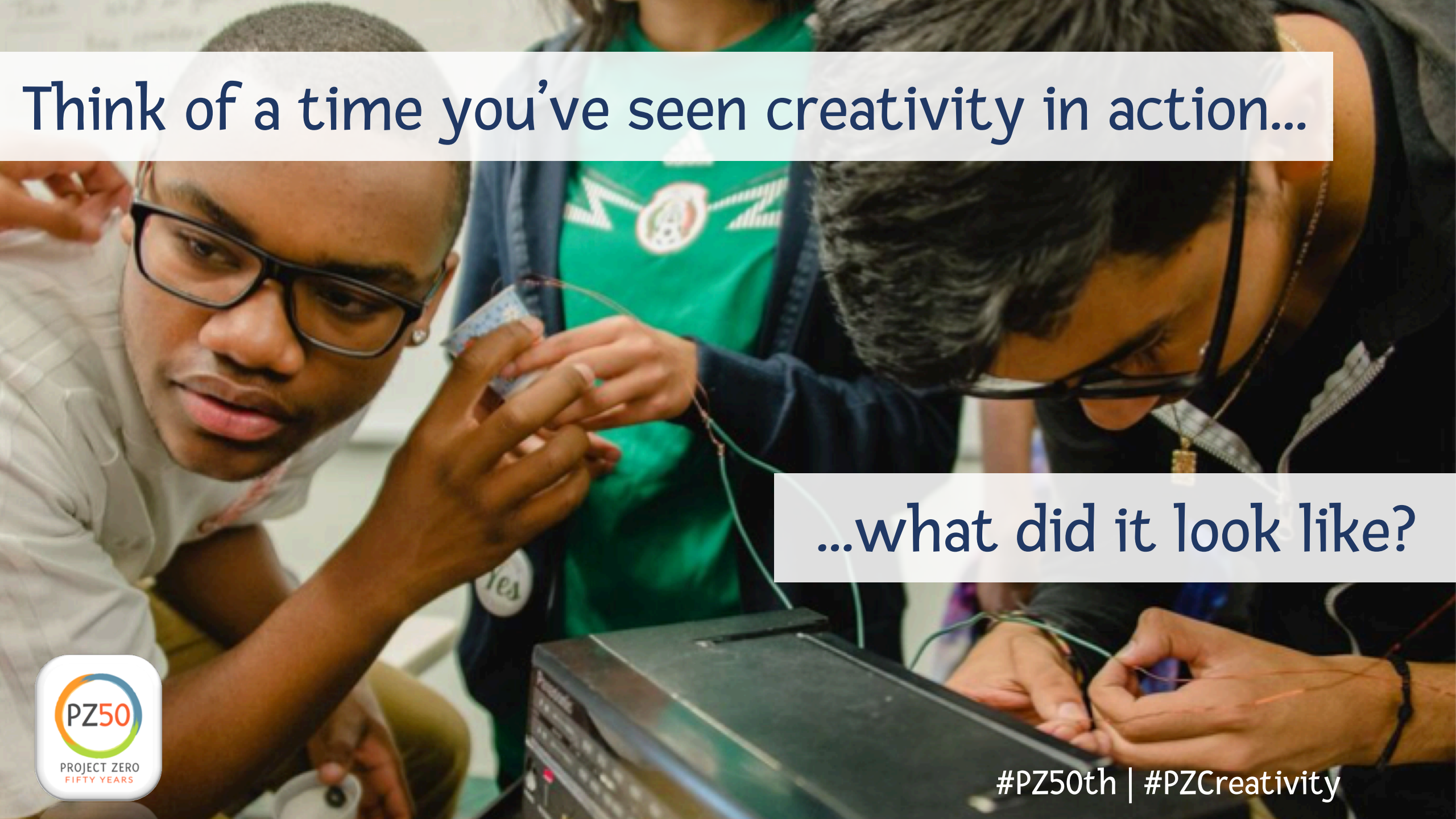
What is creativity and how does it develop?



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Think of a time you've seen creativity in action...

...what did it look like?



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Three Waves of Creativity Research

Creativity as Cultural
Participation

Creativity Situated within
Complex Systems

Creativity as an Individual Act
of Human Invention



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Three Waves of Creativity Research



R. Keith Sawyer

Two Waves of Creativity Research:

First Wave: *Exploring the personality traits of the individual creator*

Second Wave: *Exploring the sociocultural dimensions of creativity*



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Three Waves of Creativity Research

Three Paradigms of
Creativity Studies:

He Paradigm

I Paradigm

We Paradigm



Vlad Glăveanu



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Three Waves of Creativity Research



The Emerging Participatory Synthesis

Individual and collective agency + sociocultural dynamics

People play different roles when they participate in creativity

Many possible roles and perspectives



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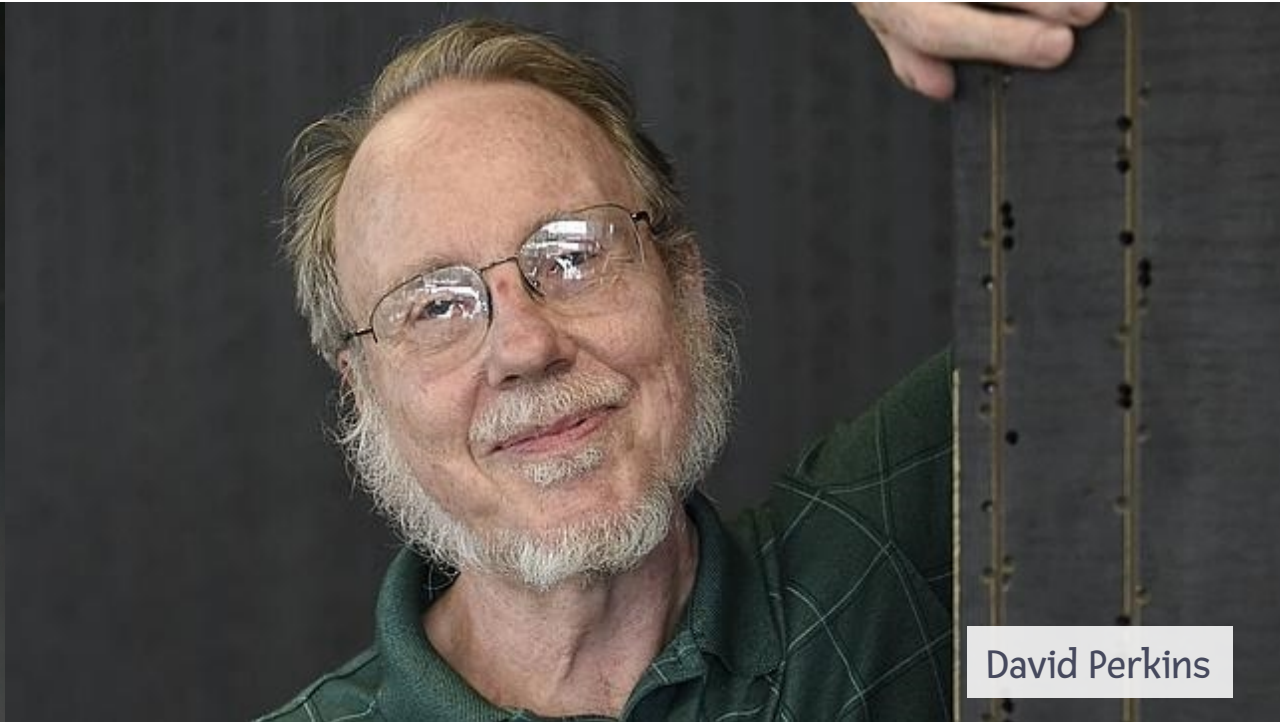


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Project Zero Perspectives



Howard Gardner



David Perkins

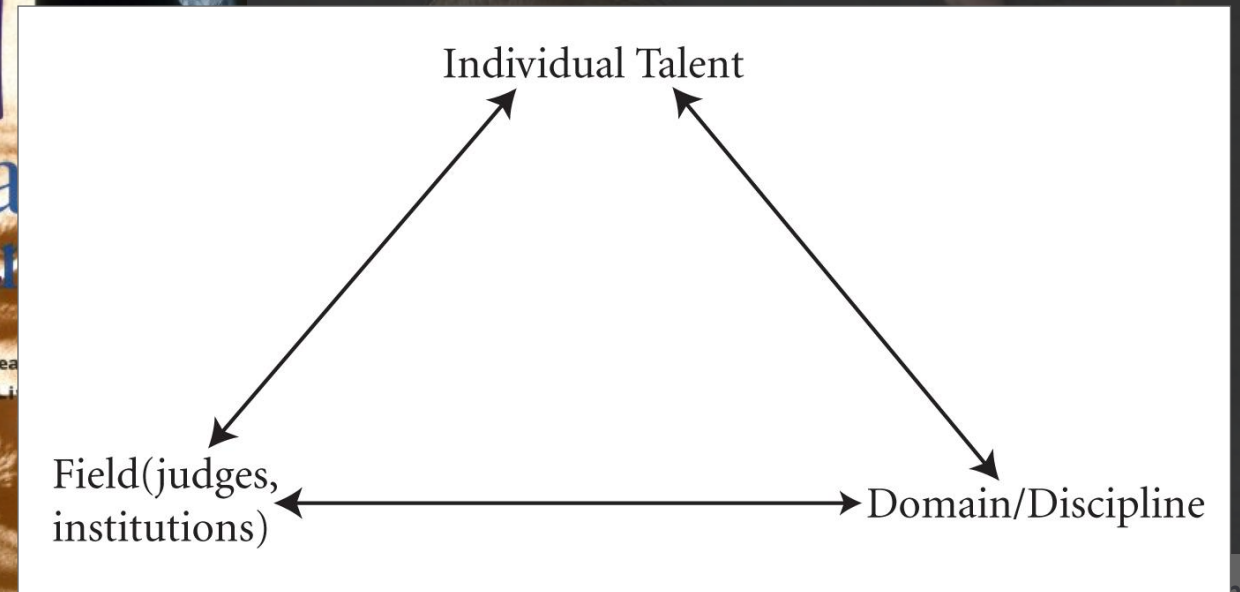
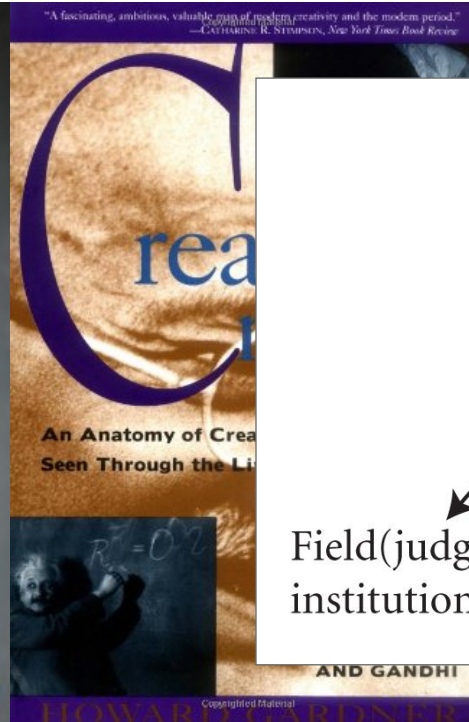


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Project Zero Perspectives



Howard Gardner

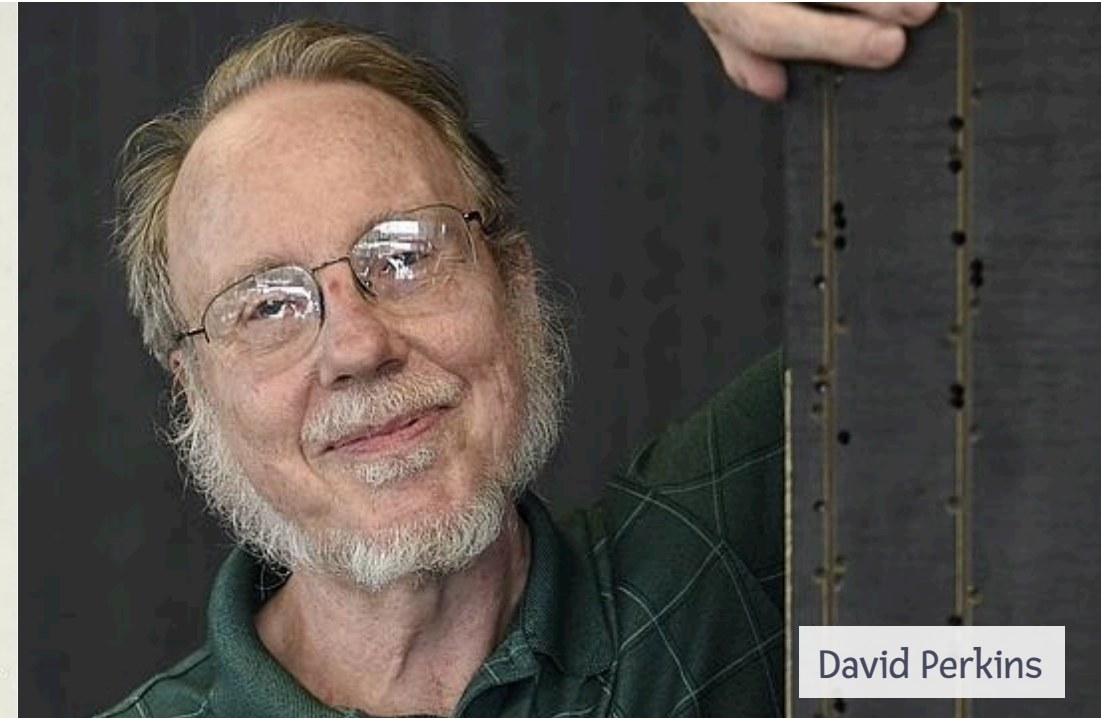
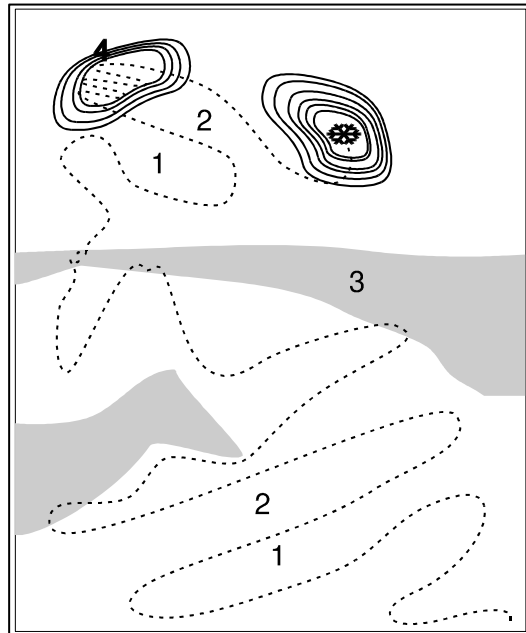
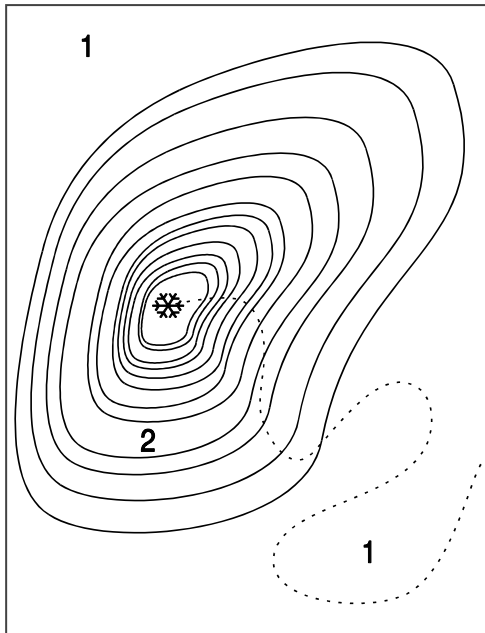


David Perkins



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Project Zero Perspectives

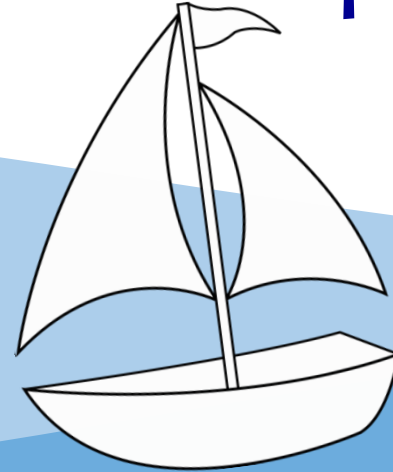
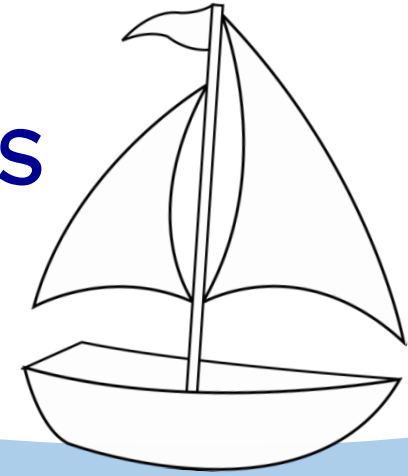
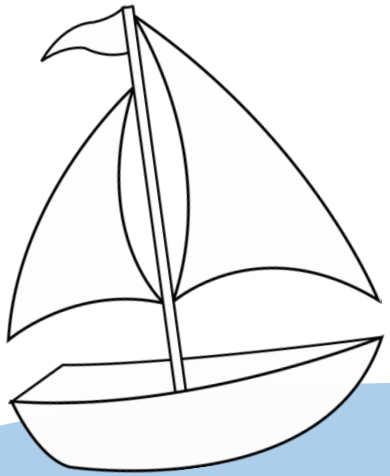


David Perkins



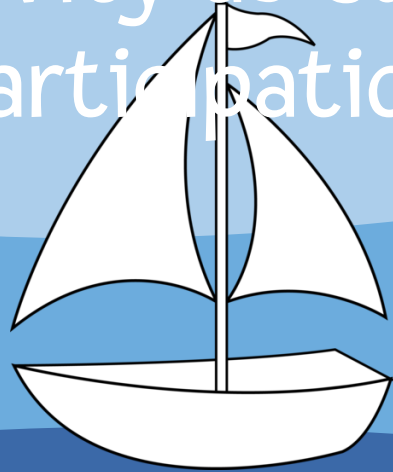
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Project Zero Perspectives



Creativity as Cultural
Participation

Creativity Situated within
Complex Systems

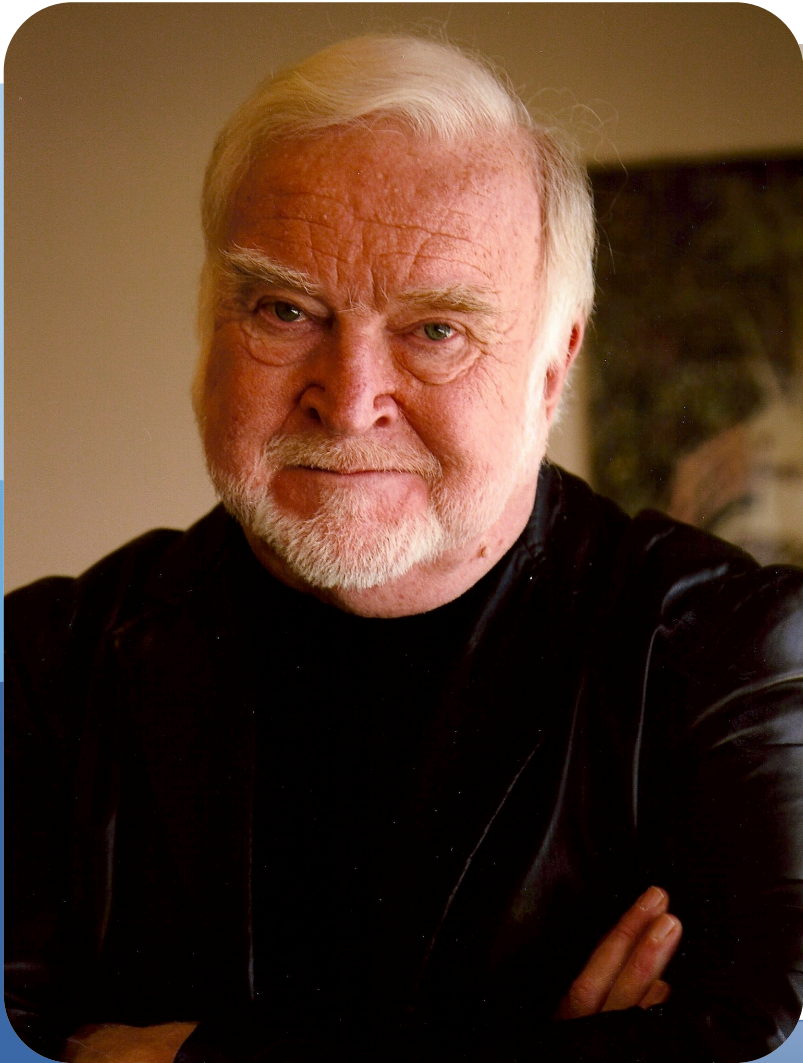


Creativity as an Individual Act
of Human Invention



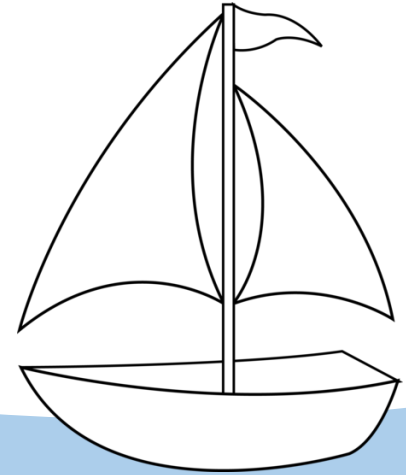
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Riding the Waves of Creativity Research



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Participatory Creativity



Creativity as Cultural
Participation



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Participatory Creativity



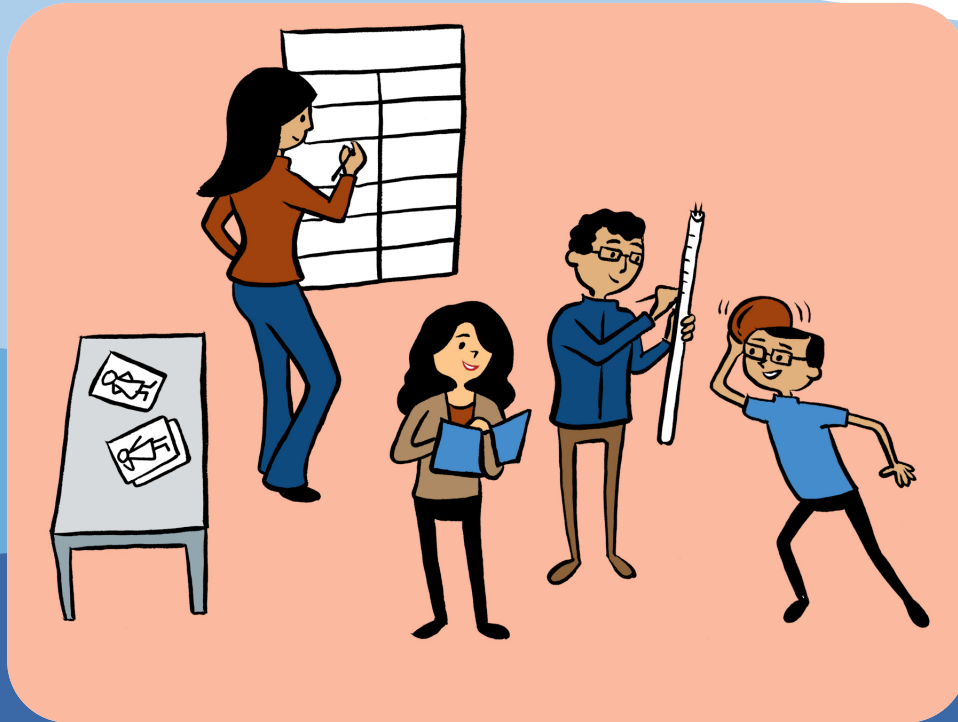
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Participatory Creativity



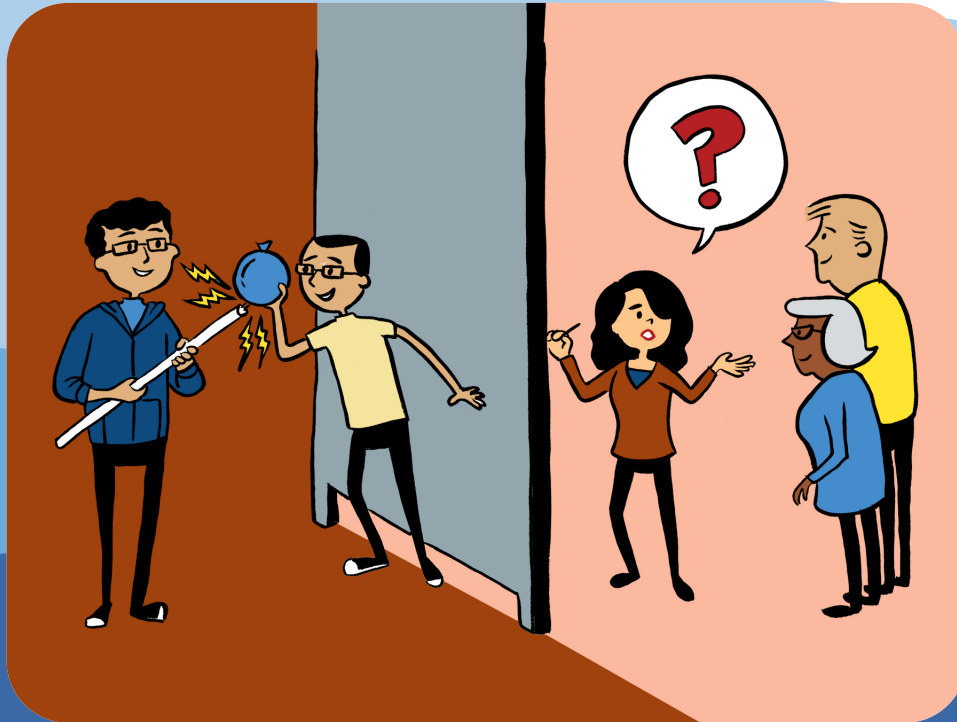
The core principle of participatory creativity is that *individuals* are not creative, *ideas* are creative, and that there are multiple ways for a variety of individuals to *participate* in the development of creative ideas.

Participatory Creativity

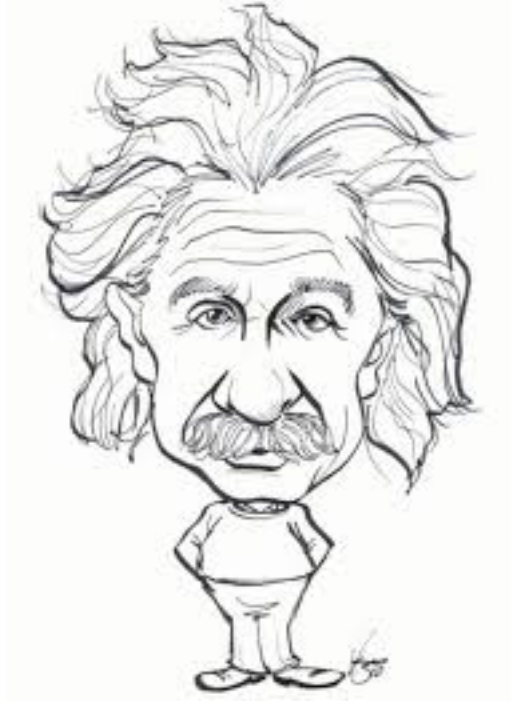


From this perspective, *creativity* is defined as a distributed process of idea development that takes place over time and incorporates the contributions of a diverse network of actors, each of whom uniquely participate in the development of ideas in various ways.

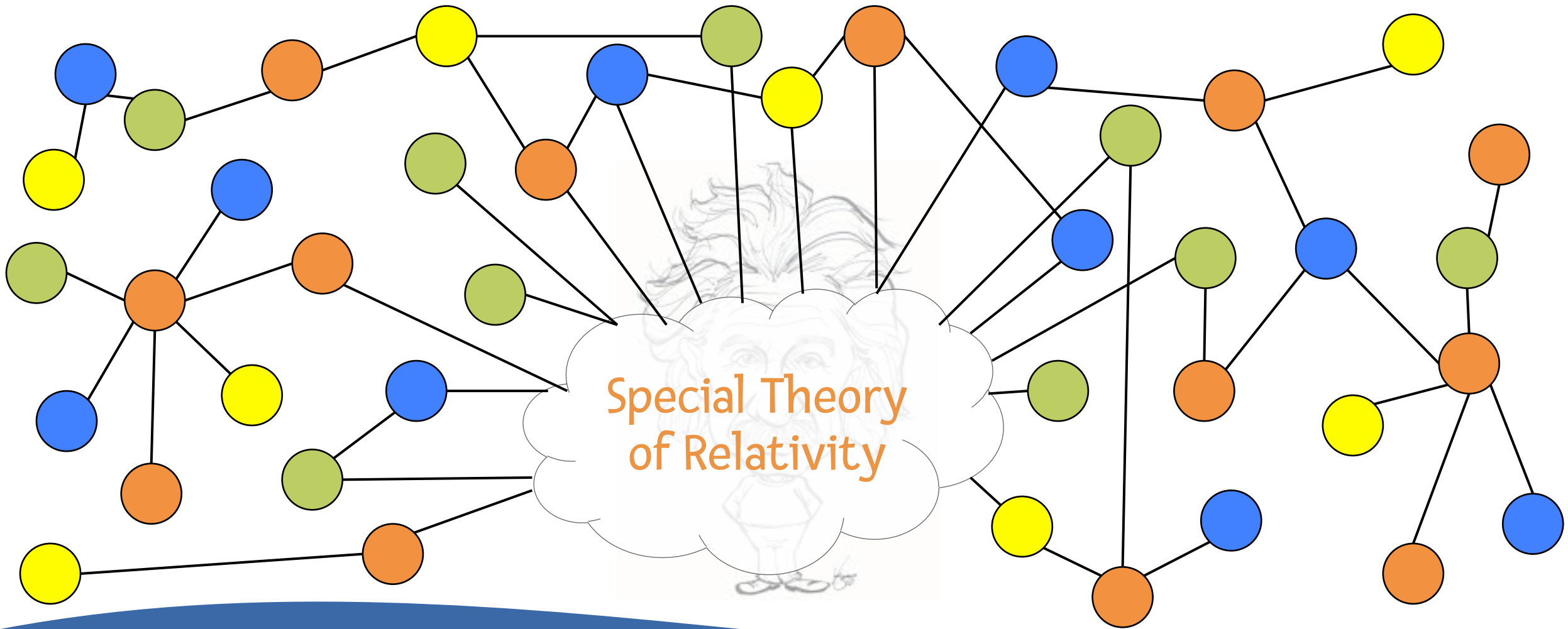
Participatory Creativity



An *idea* may be understood as an ever-evolving conceptual throughline that is embodied through a succession of innovative products. *Products*—ranging from concrete objects to utterances and speech acts—serve as the *artifacts* of evolving ideas.



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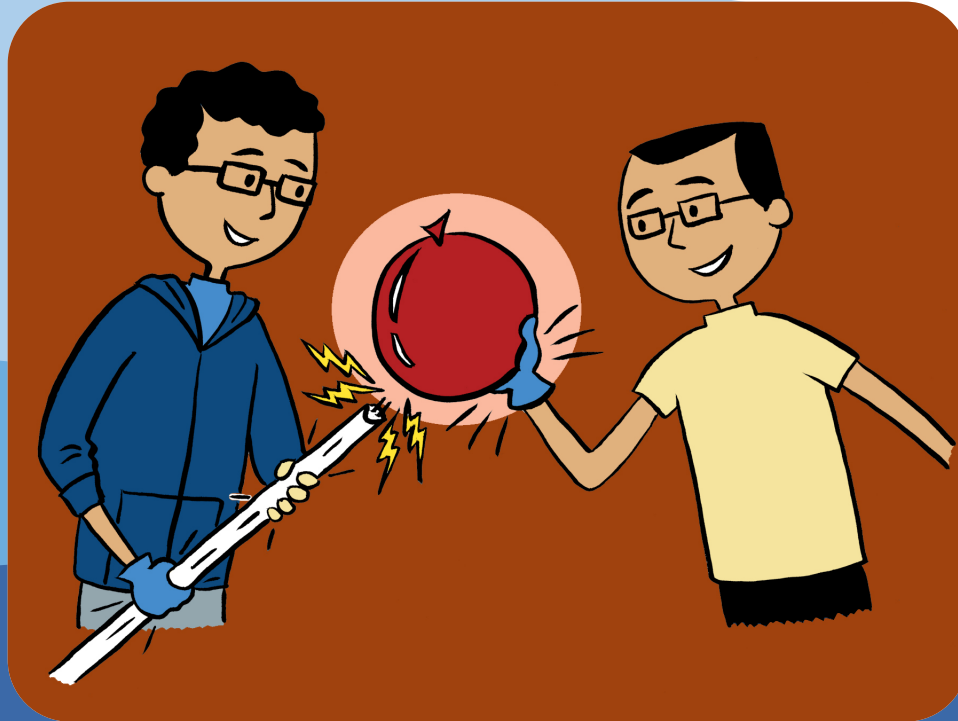


Biography of *Ideas*



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Participatory Creativity



The concept of *role* is central to a participatory reframing of creativity: students play various roles when they participate in creativity—but it's important to remember that those roles are multiple, dynamic, and flexible, not fixed or uni-dimensional.



Participatory Creativity



A participatory reframing of creativity foregrounds issues of *access* and *equity*. If there are multiple ways to participate in creativity, then there are multiple roles that students may play, and multiple perspectives that they may bring to their work.

Participatory Creativity

1. No feat of excellence occurs in isolation—creativity is always *distributed* amongst many individuals.
2. When we shift the focal point of creativity from individuals to ideas, we provide the opportunity for all students to *participate* in the development of creative ideas.
3. Describing the *biography of an idea* and its development over time allows us to see how various individuals contribute to creative idea generation along the way.
4. Students play various roles when they participate in creativity—but those roles are neither fixed nor uni-dimensional.



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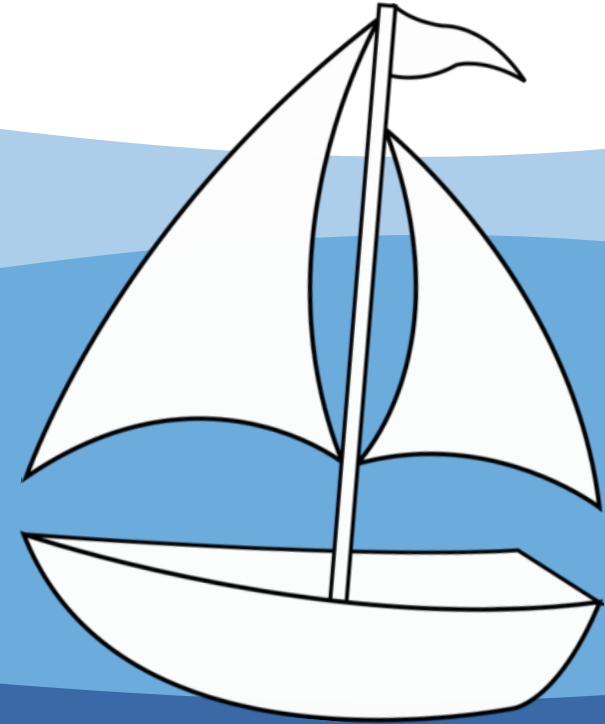
Three Waves of Creativity Research

Insights
and
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Thank You!



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Analog Tweets



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