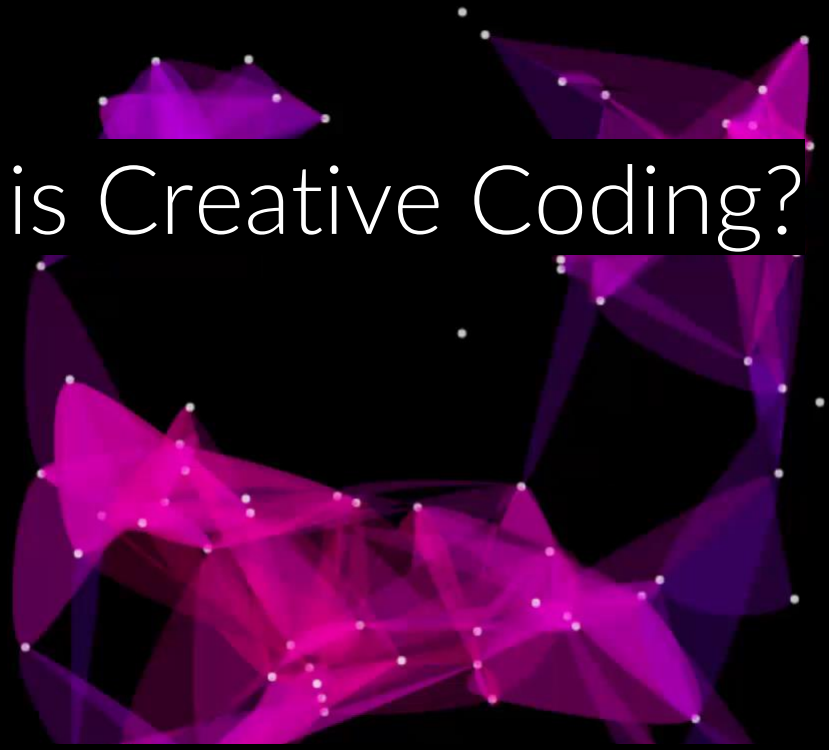
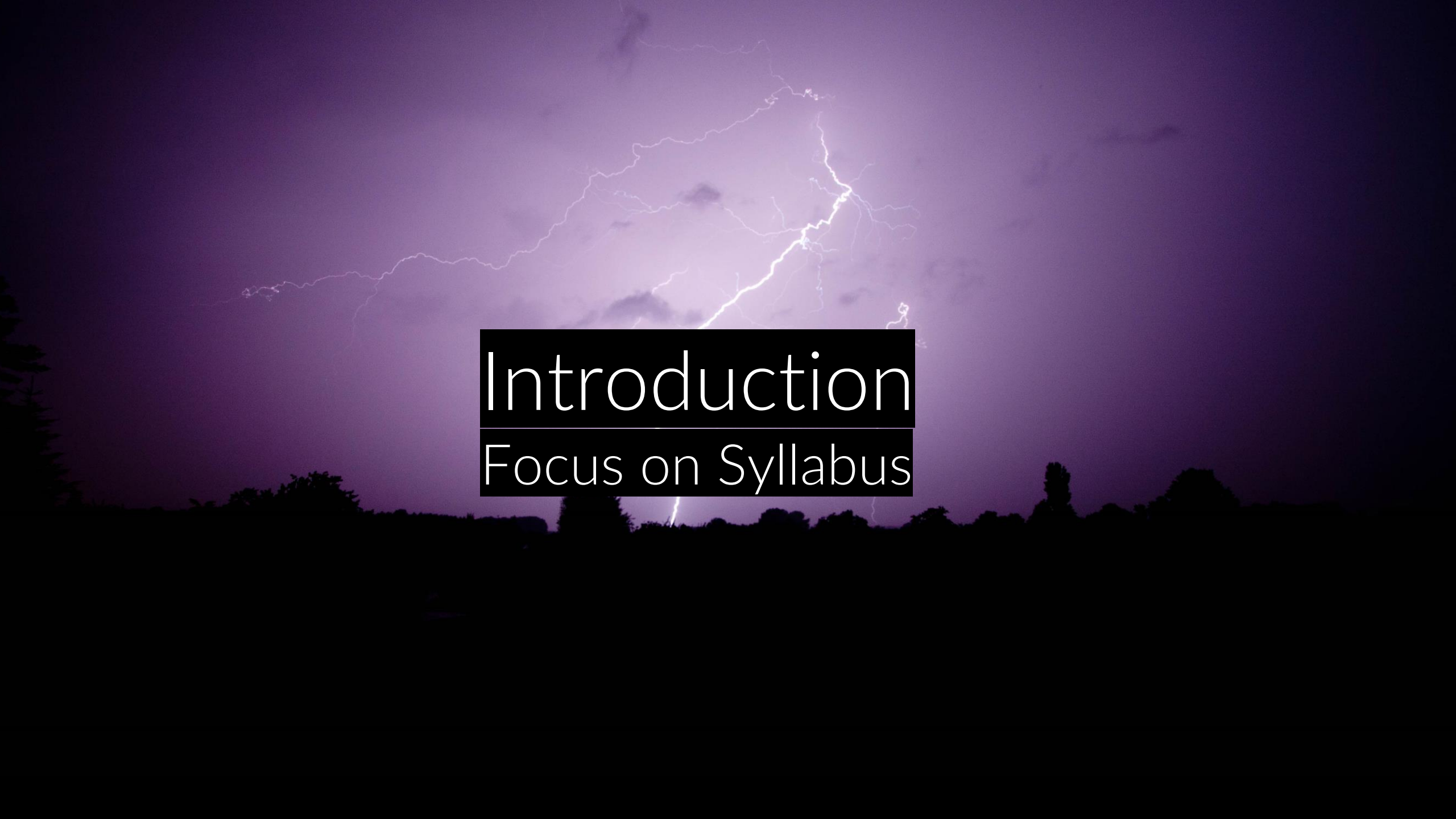
Jason Labbe



What is Creative Coding?

VA345 Creative Coding

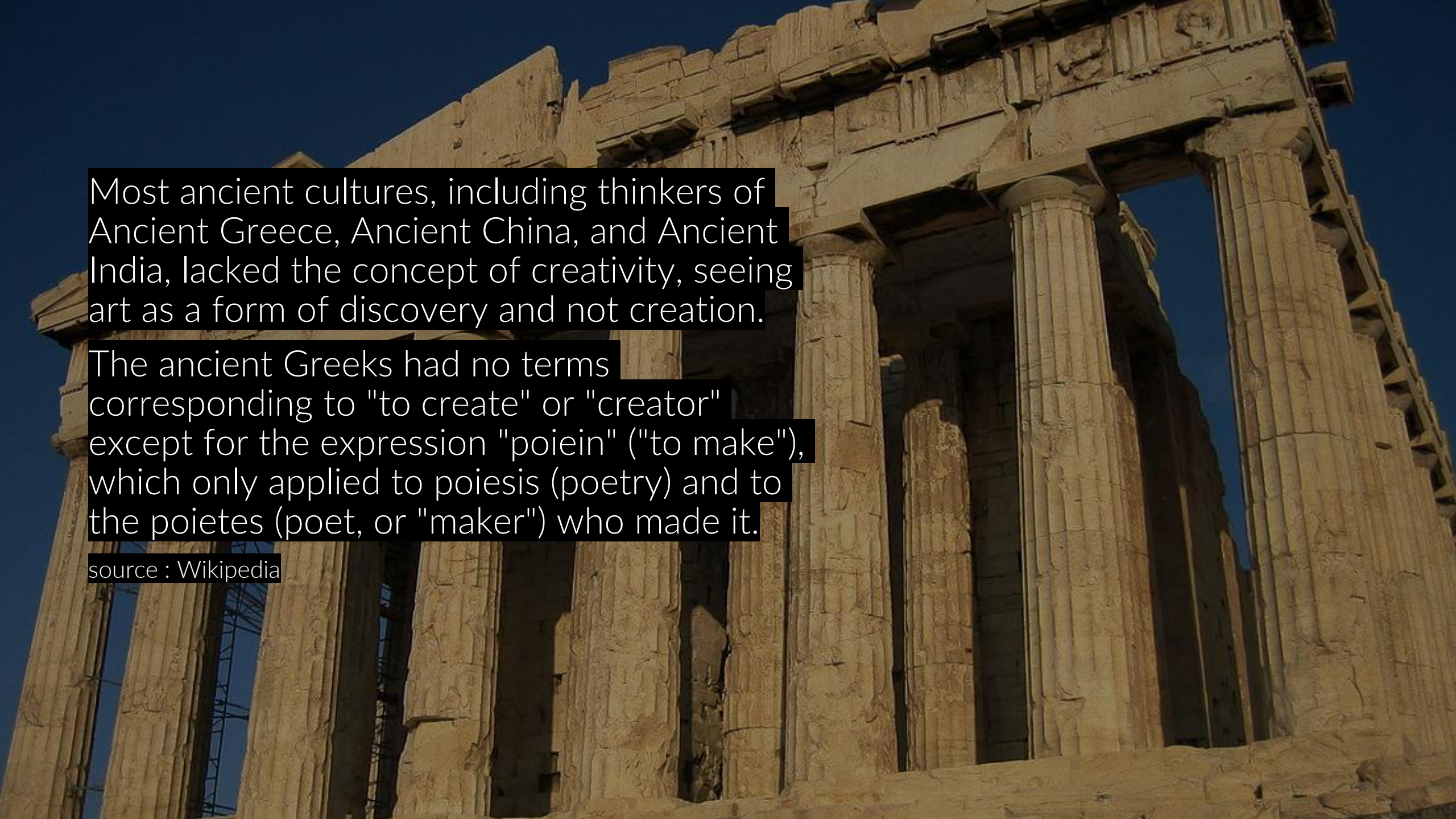
Course Instructor : Assoc. Prof. Dr. Selcuk ARTUT



Introduction

Focus on Syllabus

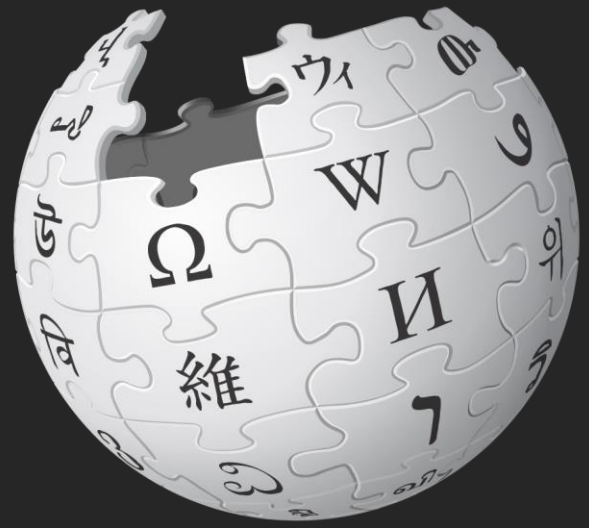
Creativity



Most ancient cultures, including thinkers of Ancient Greece, Ancient China, and Ancient India, lacked the concept of creativity, seeing art as a form of discovery and not creation.

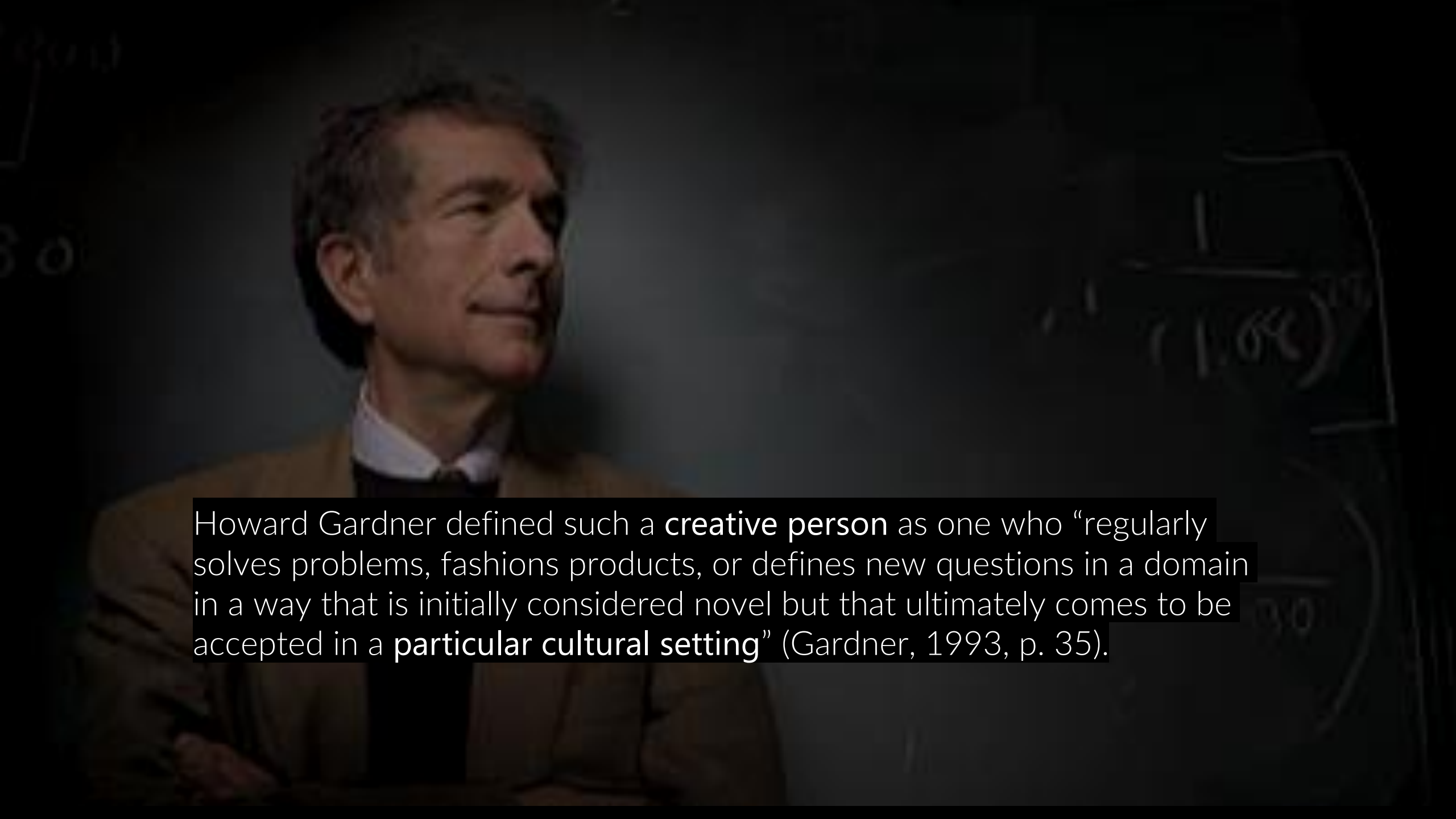
The ancient Greeks had no terms corresponding to "to create" or "creator" except for the expression "poiein" ("to make"), which only applied to poiesis (poetry) and to the poietes (poet, or "maker") who made it.

source : Wikipedia

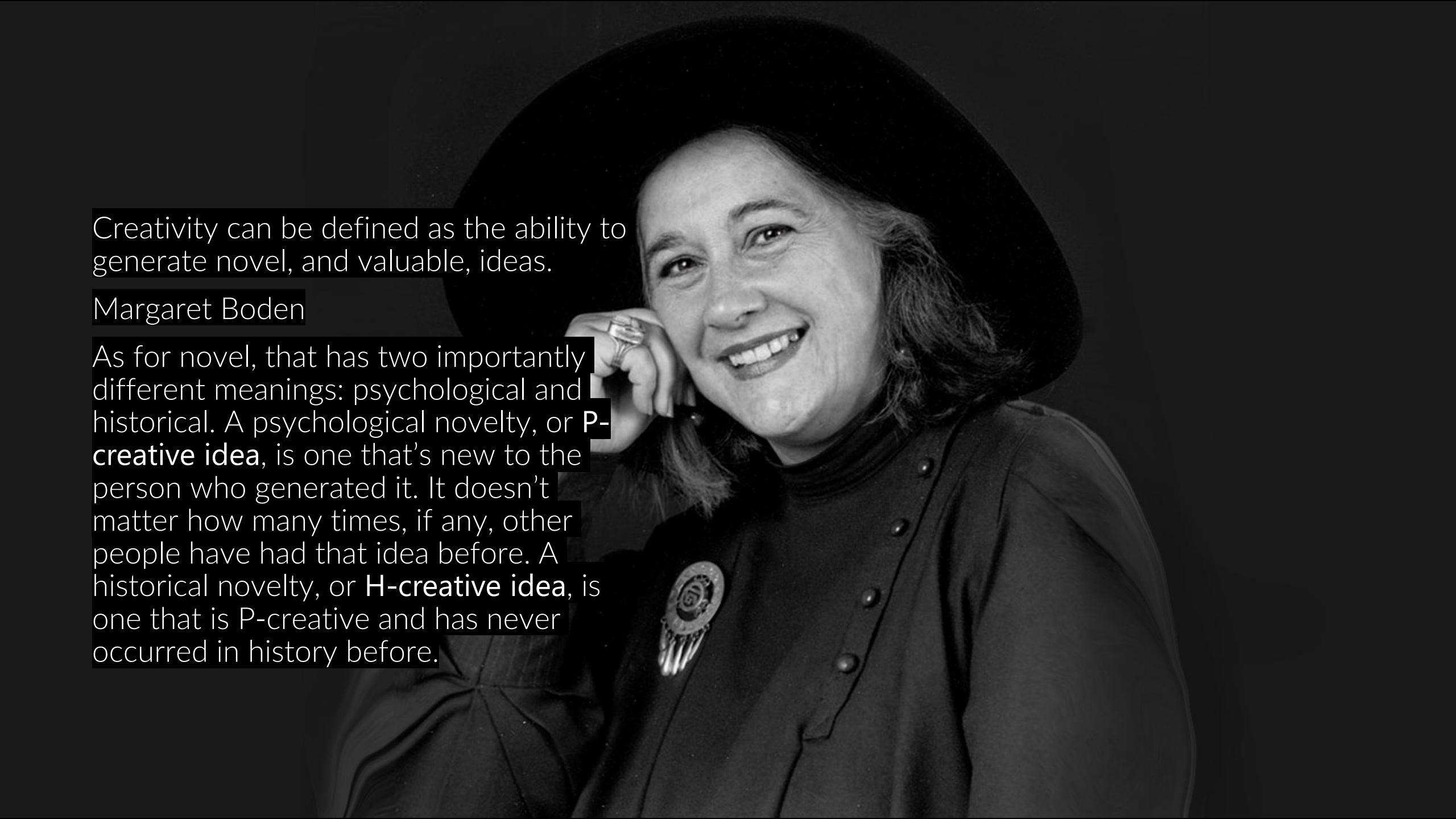


WIKIPEDIA
The Free Encyclopedia

Creativity is a phenomenon whereby something new and somehow valuable is formed. The created item may be intangible (such as an idea, a scientific theory, a musical composition, or a joke) or a physical object (such as an invention, a literary work, or a painting).



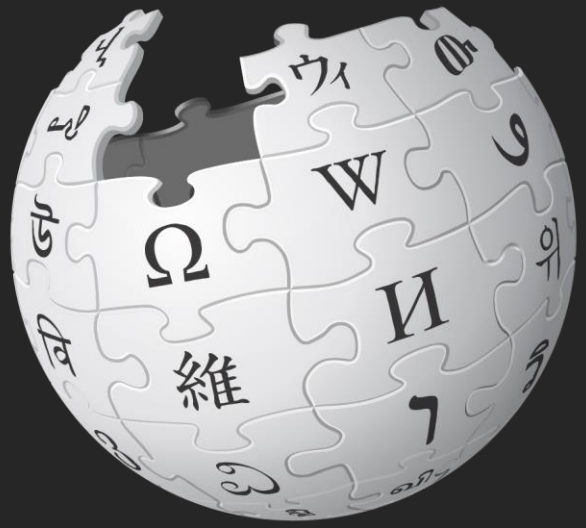
Howard Gardner defined such a **creative person** as one who “regularly solves problems, fashions products, or defines new questions in a domain in a way that is initially considered novel but that ultimately comes to be accepted in a **particular cultural setting**” (Gardner, 1993, p. 35).



Creativity can be defined as the ability to generate novel, and valuable, ideas.

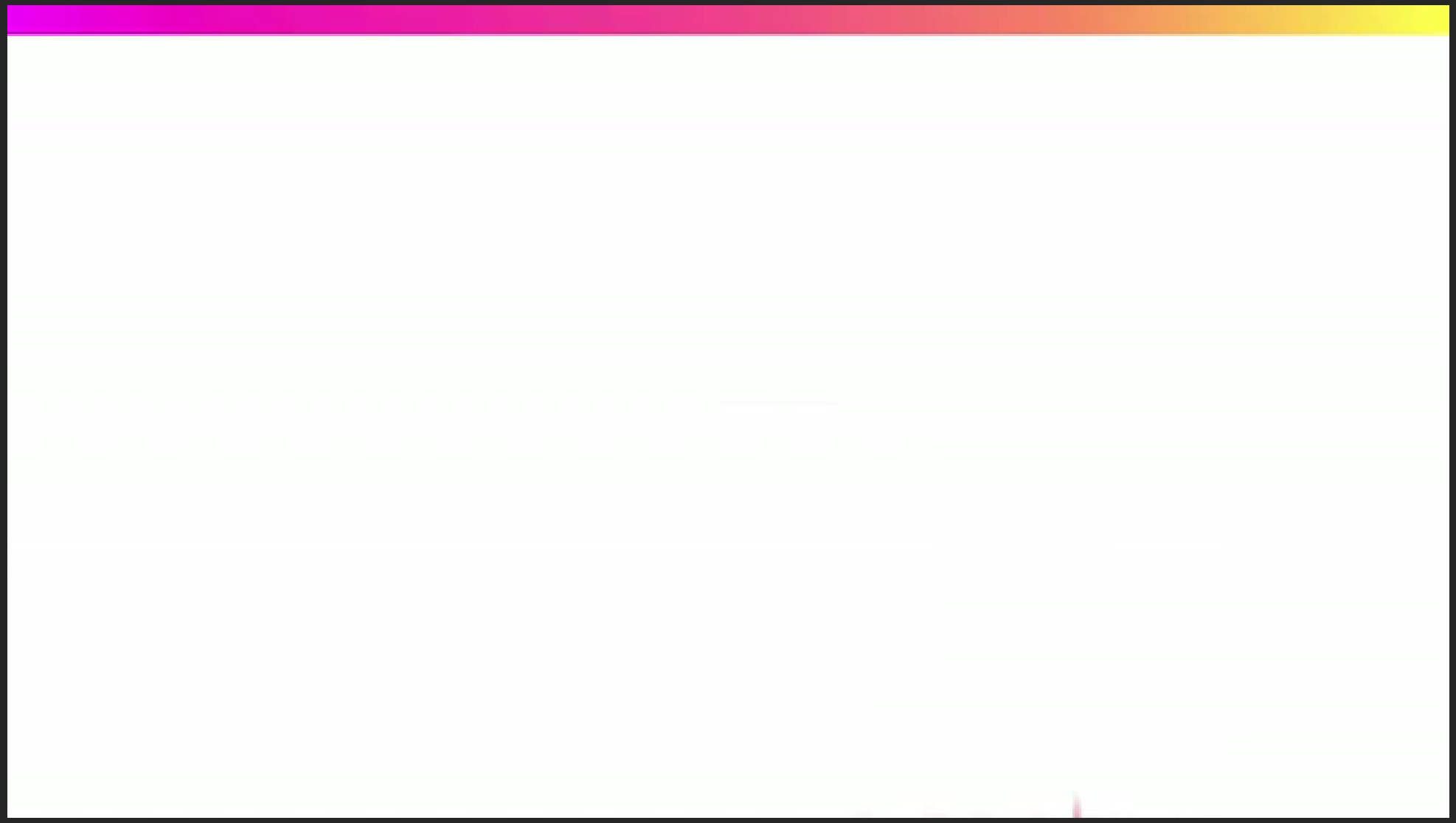
Margaret Boden

As for novel, that has two importantly different meanings: psychological and historical. A psychological novelty, or **P-creative idea**, is one that's new to the person who generated it. It doesn't matter how many times, if any, other people have had that idea before. A historical novelty, or **H-creative idea**, is one that is P-creative and has never occurred in history before.



WIKIPEDIA
The Free Encyclopedia

Creative coding is a type of computer programming in which the goal is to create something expressive instead of something functional.



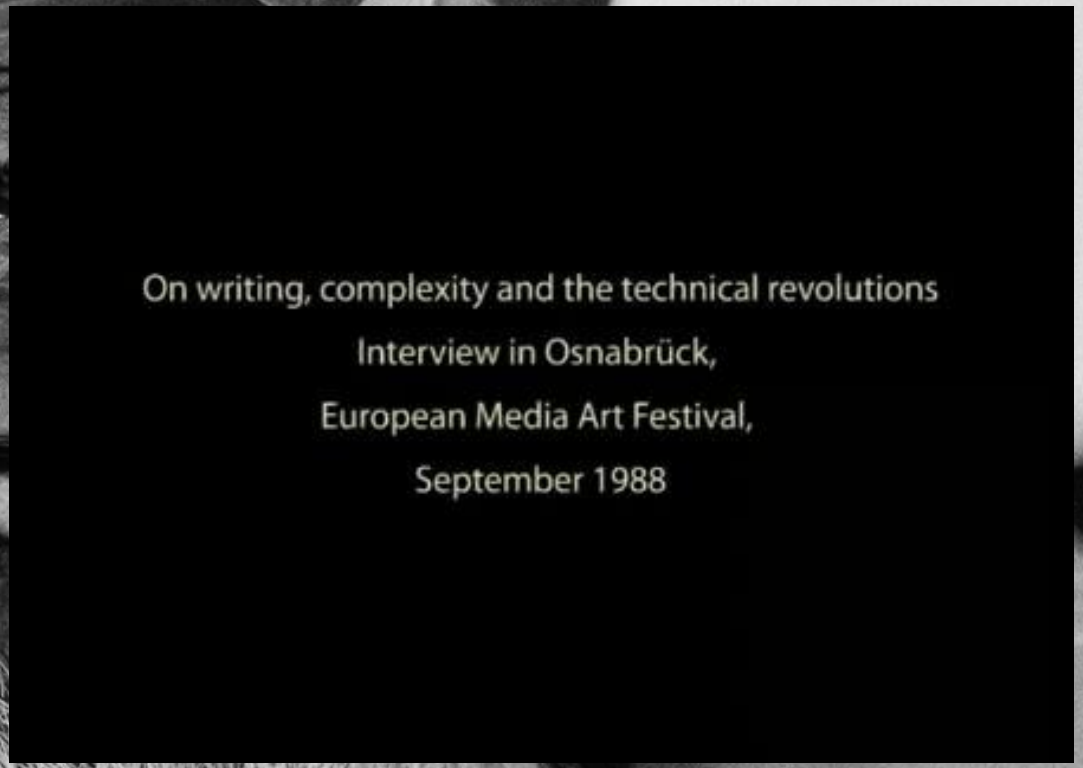
https://www.futurelearn.com/courses/creative-coding

Creative Coding vs Computational Creativity

Recently the PROSECCO research network has defined computational creativity as “an emerging field that studies and exploits the potential of computers to be more than feature-rich tools, and to act as autonomous creators and co-creators in their own right.

In a CC system, the creative impetus comes from the machine, not the user, though in a hybrid CC system a joint impetus may come from both together.”.

Vilém Flusser - 1988 interview about technical revolution (intellectual level is lowering)



Let’s
Have a Break

Video Lecture by Casey Reas

History of the Future, Art & Technology from 1965 - Yesterday

Casey REAS (born 1972), is an artist whose conceptual, procedural and minimal art works explore ideas through the contemporary lens of software.

Reas is best known for having created, with Ben Fry, the Processing programming language.

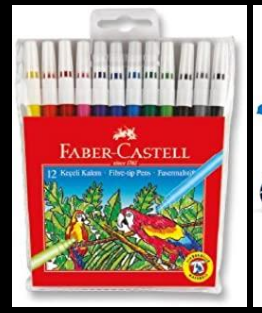
He has shown his work at the Whitney Museum of American Art's artport,Ars Electronica in Austria, ZKM in Germany, Transmediale in Berlin, GAFFTA in San Francisco, Uijeongbu International Digital Art Festival in Korea, the Danish Film Institute, bitforms gallery in New York and Seoul, IAMAS and ICC in Japan, the Microwave International Media Art Festival in Hong Kong, and the Sonar Festival in Barcelona.

Bring the following items into the class

Compass

Straight edge (90 degree triangle)

Ruler

Paints (Pen, Water, etc) 

Graph Paper