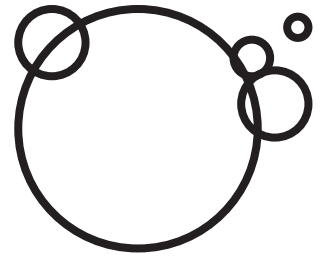


# OPPORTUNITY

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# OPEN SOURCE

EDITABLE, SHAREABLE, MODIFIABLE, OPEN

The term open source describes practices in production and development that promote access to the end product's source materials. Some consider open source a philosophy, others consider it a pragmatic methodology. Before the term open source became widely adopted, developers and producers used a variety of phrases to describe the concept; open source gained hold with the rise of the Internet, and the attendant need for massive retooling of the computing source code. Opening the source code enabled a self-enhancing diversity of production models, communication paths, and interactive communities.

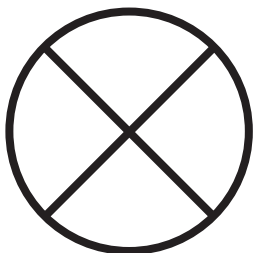


Consider existing materials as starting points for your new venture. The economic environment is low in capital, imagine a small starting budget. A DIY (Do It Yourself) mentality should be an integral part of this process of innovation.

# CONSTRAINT SURVIVAL WITH LOW CAPITAL

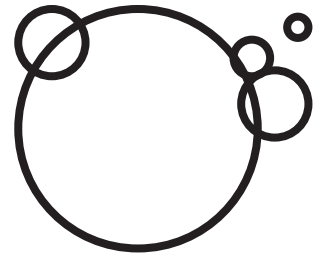
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# ALTERNATIVE ENERGY

## FURTHER DEVELOPMENT OF NEW ENERGY SOURCES

Alternative energy is an umbrella term that refers to any source of usable energy intended to replace fuel sources without the undesired consequences of the replaced fuels.

In a general sense in contemporary society, alternative energy is that which is produced without the undesirable consequences of the burning of fossil fuels, such as high carbon dioxide emissions, which is considered to be the major contributing factor of global warming according to the Intergovernmental Panel on Climate Change. Sometimes, this less comprehensive meaning of "alternative energy" excludes nuclear energy (e.g. as defined in the Michigan Next Energy Authority Act of 2002).

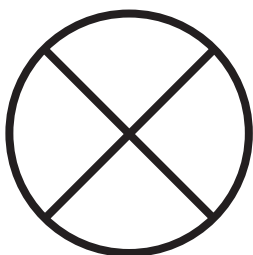


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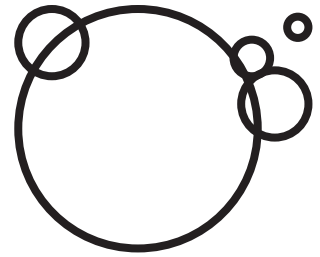
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# COLLECTIVE INTELLIGENCE

KNOWLEDGE THAT IS EMBEDDED INTO SOCIETY BY PEOPLE OVER TIME (I.E. WIKIPEDIA)

Collective intelligence is a shared or group intelligence that emerges from the collaboration and competition of many individuals and appears in consensus decision making in bacteria, animals, humans and computer networks.



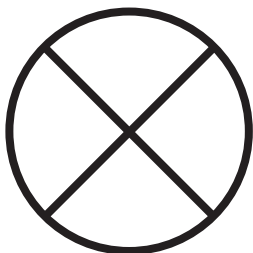
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WORST CASE SCENARIO

# COLLAPSE

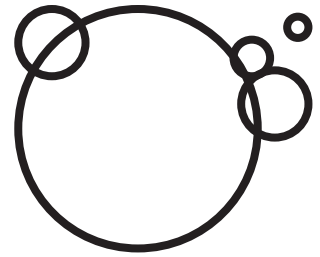
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# CYBORGS

## FURTHERING AN INTEGRATION OF TECHNOLOGY INTO THE HUMAN SPECIES

The term cyborg is applied to an organism that has enhanced abilities due to technology.

A cyborg is a being with both biological and artificial (e.g. electronic, mechanical or robotic) parts. The term was coined in 1960 when Manfred Clynes and Nathan S. Kline used it in an article about the advantages of self-regulating human-machine systems in outer space. D. S. Halacy's Cyborg: Evolution of the Superman in 1965 featured an introduction which spoke of a "new frontier" that was "not merely space, but more profoundly the relationship between 'inner space' to 'outer space' - a bridge...between mind and matter."



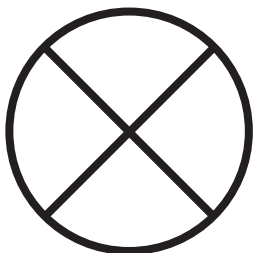
The environment is doing well, but it is unstable. While technological advancements and the economy are on the rise, it is still crucial to maintain a sustainable practice so that collapse can remain an avoided phenomenon.

## ONE STEP AHEAD OF DISASTER

# GROWTH

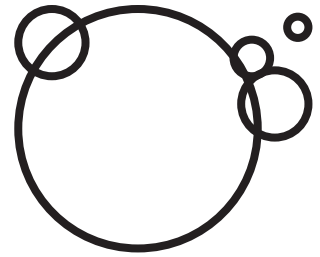
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# GAME-BASED LEARNING

## LEARN THROUGH INTERACTING

Game based learning (GBL) is a branch of serious games that deals with applications that have defined learning outcomes. Generally they are designed in order to balance the subject matter with the gameplay and the ability of the player to retain and apply said subject matter to the real world.



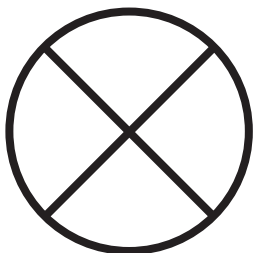
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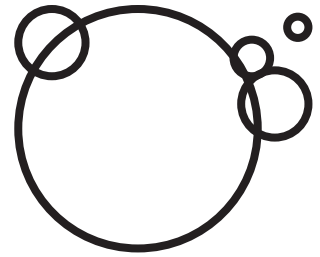
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# AUGMENTED REALITY

## A SECOND, DIGITAL, LAYER TO THE PHYSICAL WORLD

Augmented reality (AR) is a term for a live direct or indirect view of a physical, real-world environment whose elements are augmented by computer-generated sensory input such as sound, video, graphics or GPS data. It is related to a more general concept called mediated reality, in which a view of reality is modified (possibly even diminished rather than augmented) by a computer. As a result, the technology functions by enhancing one's current perception of reality. By contrast, virtual reality replaces the real world with a simulated one.



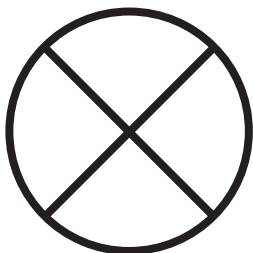
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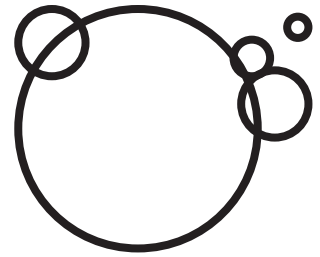
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# THE CLOUD

## EVERYTHING IS ACCESSIBLE EVERYWHERE

Cloud computing is the delivery of computing as a service rather than a product, whereby shared resources, software, and information are provided to computers and other devices as a utility (like the electricity grid) over a network (typically the Internet).

It is a byproduct and consequence of the ease-of-access to remote computing sites provided by the Internet. This may take the form of web-based tools or applications that users can access and use through a web browser as if the programs were installed locally on their own computers.

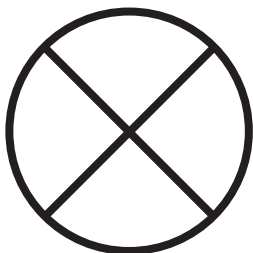


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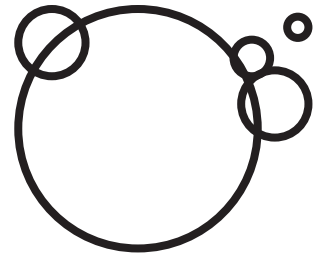
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# NEUROSCIENCE

## THE BRAIN AS A MODIFIABLE SPACE

Neuroscience is the scientific study of the nervous system. Traditionally, neuroscience has been seen as a branch of biology. However, it is currently an interdisciplinary science that collaborates with other fields such as chemistry, computer science, engineering, linguistics, mathematics, medicine and allied disciplines, philosophy, physics, and psychology. The term neurobiology is usually used interchangeably with the term neuroscience, although the former refers specifically to the biology of the nervous system, whereas the latter refers to the entire science of the nervous system.



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