

# DESIGN WITH NATURE BY IAN L MCHARG

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**What is the concept of Design with Nature?** By “design with nature” McHarg meant that the way we occupy and modify the earth is best when it is planned and designed with careful regard to both the ecology and the character of the landscape.

**What did Ian McHarg do?** Ian L. McHarg (1920 - 2001), professor and chair of landscape and regional planning at the University of Pennsylvania, was arguably the most important environmental planner and landscape architect of the 20th century.

**Who designed Design with Nature?** In 1969, Ian McHarg's seminal book, Design with Nature, set forth a new vision for regional planning using natural systems.

**What is nature by design summary?** Nature by Design is a figurative compass indicating a direction that leads towards altered, healing relations between humankind and the larger, older, and increasingly fragile natural world.

**What is a design by nature example?** Biomimicry is a field of design that looks specifically to nature for design and engineering inspiration. One of the most compelling examples is that of the Shinkansen bullet train in Japan. The original bullet train design posed some problems.

**What are the projects of Ian McHarg?** Some of his more well-known business projects include The Woodlands [2], Pardisan [8], and The Potomac River Basin Study [8]. Pardisan was at least partially responsible for McHarg's separation with WMRT in 1979 [8], due to the loss of their patron and the subsequent failure to be repaid for work and funds spent.

**What did Ian go to jail for?** In the midst of the season, he goes off his meds and becomes a religious fanatic called gay Jesus, and as a result he is arrested for a series of arson acts. During season 9, Ian is still having episodes of being a fanatic but when taking his medication, he snaps out of it.

**What does Ian get diagnosed with?** Yes, Ian Gallagher's mental illness is addressed throughout the series "Shameless." Ian struggles with bipolar disorder, and the show depicts his challenges in managing his condition, including episodes of mania and depression.

**What does design of nature mean?** Academics from a vast range of fields can all agree that there is design in nature, meaning that nature doesn't consist of random things thrown together without a purpose. Instead, almost everything in nature is intricately designed to achieve certain tasks.

**Who is the architect who builds with nature?** Frank Lloyd Wright's greatest legacy is easily his modern homes built into nature. From more obvious examples like Fallingwater in Pennsylvania to the way organic shapes found in nature influenced nearly every design he dreamt up.

**What is design based on nature called?** Biomimicry is derived from the Greek word; Bio means life and mimicry means to imitate.

**What is the quote about design and nature?** Nature is always right outside our door as a reference and touch point. We should use it far more than we do. Design that mimics the sensual continuity of nature's subtle connections of color, light and texture invite the viewer's receptivity.

**What is the theory of design in nature?** Constructal theory is the view that (i) the generation of images of design (pattern, rhythm) in nature is a phenomenon of physics and (ii) this phenomenon is covered by a principle (the constructal law): 'for a finite-size flow system to persist in time (to live) it must evolve such that it provides greater and greater ...

**What are the rules of design in nature?** The principles of design are balance, emphasis, movement, pattern, repetition, proportion, rhythm, variety, and unity. These words can provide an interesting vocabulary for thinking about and discussing

what we see in nature.

**What are the elements of design by nature?** The elements of design exist in abundance in nature. Lines, shapes, patterns, and textures appear in both the intimate scene and in the grand landscape. These design elements are the core of a graphically pleasing photograph.

**What are the principles of nature design?**

**What man-made design was inspired by nature?** The building design of the Lotus Temple was inspired by the shape of a lotus flower, which is a symbol of purity in Hindu tradition. The architect of the temple, Fariborz Sahba, designed 27 freestanding marble petals arranged in groups of three to form nine sides, creating a distinct nine-sided circular shape.

**Who did Ian sleep with?** Ian Was Sleeping With A Married Man When viewers were introduced to Ian Gallagher in the very first and one of the best seasons of Shameless, they immediately discovered that he was secretly having an affair with his convenience store boss, Kash.

**How long is Ian in jail for?** Facing ten to thirteen years if he takes the case to trial, Ian—under Fiona's advice—decides to plead not guilty by reason of insanity; he is ultimately sentenced to two years in prison. Ian discovers that Mickey is his prison cellmate, and the reunited lovers rekindle their relationship.

**Who is Ian's dad?**

**Is bipolar genetic?** Bipolar disorder is frequently inherited, with genetic factors accounting for approximately 80% of the cause of the condition. Bipolar disorder is the most likely psychiatric disorder to be passed down from family. If one parent has bipolar disorder, there's a 10% chance that their child will develop the illness.

**Is bipolar a disease?** Bipolar disorder (formerly called manic-depressive illness or manic depression) is a mental illness that causes unusual shifts in a person's mood, energy, activity levels, and concentration. These shifts can make it difficult to carry out day-to-day tasks.

**What is the difference between bipolar 1 and 2?** Bipolar II disorder is not a milder form of bipolar I disorder, but a separate diagnosis. While the manic episodes of bipolar I disorder can be severe and dangerous, individuals with bipolar II disorder can be depressed for longer periods, which can cause significant impairment with substantial consequences.

**How to practice jazz improv guitar?**

**What are 3 methods of Jazz improvisation?** There are four essential approaches: sequences, arpeggios, scalar improvisation and neighboring (and leading) tones. A sequence is a pattern played using the same intervallic and melodic structure on various degrees of a scale.

**How do jazz musicians improvise?** When jazz musicians improvise they are playing notes that they “hear” (imagine) in their mind; they hear these notes just a split second before they play them, just like when you are talking and you hear the words in your head just a split second before you say them.

**What is the key of Jazz improvisation?** If you want to become a great jazz improviser, just learn jazz standards. Jazz standards are the vehicles in which jazz musicians use to improvise and communicate with each other. They contain all the common chord progressions and language you need to be able to communicate.

**What skills must jazz musicians have to improvise successfully?**

**How do you master improvisation on guitar?**

**What are the 7 techniques of improvisation?**

**How long does it take to learn to improvise jazz?** Learning how to improvise is not an overnight process. It's a lifetime of practice, but that doesn't mean you can't rapidly improve and have a ton of fun in the process! There is a TON of information here about learning how to improvise, so take your time and don't feel overwhelmed.

**What are the 5 distinctive approaches to improvisation?**

**What happens to your brain during jazz improvisation?** Limb and Braun discovered that when musicians played memorized scales, their brains looked very

different than when they were riffing off the same scale—when they were improvising, in other words. During improvisation, the dorsolateral prefrontal cortex decreased in activity and the medial prefrontal cortex increased.

### **How do jazz musicians know what to play when it is their time to improvise?**

The best way to do this is to listen to recordings of the tune, figure the harmony out from the recordings, and play the chords on the piano. The chords are symbols for sounds. You gotta get the sounds.

**Who are the greatest jazz improvisers of all time?** The history of jazz is filled with famously marvellous soloists and improvisers: Miles Davis, John Coltrane, Louis Armstrong, Ella Fitzgerald, Freddie Hubbard, Hank Mobley, Charlie Parker, Sonny Rollins, Sarah Vaughan, Jaco Pastorius, Ahmad Jamal and so many others are revered for their shared ability to compose ...

**What are the four C's of improvisation?** “We always talk about the four 'c's of improv: creativity, critical thinking, collaboration and communication,” says Deana Criess, director of ImprovBoston's National Touring Company, about how she teaches the form to seventh-graders.

### **What is the most important element of free jazz improvisation?**

**What is free jazz improvisation?** The main characteristic of free jazz is that there are no rules. Musicians do not adhere to a fixed harmonic structure (predetermined chord progressions) as they improvise; instead, they modulate (i.e., change keys) at will.

### **How can I be a better jazz guitarist?**

### **How can I practice jazz efficiently?**

### **How to improvise a jazz solo?**

**How do you practice jazz guitar?** Always go over at least a little bit of repertoire on a regular basis. It can be learning new tunes or perfecting known standards. Create a list of tunes you know (memorized) and work with it. Your jazz guitar practice will raise your performance level ...and what's played during a performance exactly? (Tunes!!!)

**How do you play chords while improvising?** You want to play the notes that fit each chord, while also finding a nice and melodic way of tying them together. Each chord is usually made of only 3 or 4 notes. And no matter how simple or complex the music is, in order for the melody to sound like it make sense, it really needs to target those chord notes.

**How do you improvise over chords on guitar?**

**What is the #1 rule in improv?** “Yes, and” is the first rule of improv, and the basic idea is that, whatever your scene partner throws at you, you agree, and you add to it.

**What is the golden rule of improv?** Always agree and SAY YES. When you're improvising, this means you are required to agree with whatever your partner has created. So if we're improvising and I say, “Freeze, I have a gun,” and you say, “That's not a gun.

**How do jazz musicians learn improvisation?** It's all about preparation and being in the moment. Just like a great conversationalist, an accomplished improviser is equal parts experience, practice, and creative inspiration. You must react and respond to the players and situations around you with your knowledge, ears, and practiced technique.

**How can I practice jazz technique?** Practice everything – scales, licks, voicings, improvisation and songs – in every key, especially your weak keys. Accuracy is more important than speed – so practice everything slowly. Speed will come naturally if you are accurate. Only gradually build up speed – this will help you learn to think fast.

**How do you practice jazz articulation?** First listen to the heads on great recordings and then copy the way the melodies are articulated. At first, just try to imitate what you hear and don't think about how you are doing it, then later after you have it, analyze what the tongue and air are actually doing.

**How to practice improv music?**

**How can I be a better jazz guitarist?**

## **What is the jazz walk?**

**How long does it take to learn to improvise jazz?** Learning how to improvise is not an overnight process. It's a lifetime of practice, but that doesn't mean you can't rapidly improve and have a ton of fun in the process! There is a TON of information here about learning how to improvise, so take your time and don't feel overwhelmed.

**Can jazz be self taught?** You will learn much faster with the guidance of a teacher, and a qualified teacher will also make sure there are no gaps in your learning that will hold you back in the future, but if you can't take lessons for one reason or another, you can follow either a published method or teach yourself the progressions and cycles ...

**How do you practice jazz guitar?** Always go over at least a little bit of repertoire on a regular basis. It can be learning new tunes or perfecting known standards. Create a list of tunes you know (memorized) and work with it. Your jazz guitar practice will raise your performance level ...and what's played during a performance exactly? (Tunes!!!)

## **How do you improvise jazz solos?**

**How do jazz musicians practice?** Practice often starts with the basic building blocks: building melodies, playing chord scales and studying chord-scale relationships, improvising over basic chord progressions, and rhythmic phrasing. This practice can vary in difficulty depending on the complexity of the chord progressions and variations in tempo.

**What is the #1 rule in improv?** "Yes, and" is the first rule of improv, and the basic idea is that, whatever your scene partner throws at you, you agree, and you add to it.

## **What are the 5 rules of improv?**

## **What are the 4 pillars of improv?**

**What is the hardest instrument to play in jazz band?** The trumpet may be one of the most challenging instruments on our list to learn, but if you're willing to put in the time and effort, you'll be able to play this brass instrument with ease.

**Why do jazz guitarists sit?** Oddly enough, where the guitarist sits can have a big influence on the sound of the guitar. If the guitarist's body is placed between the guitar and the amp, it will help reduce feedback and often improves the tone.

**How long does it take to master jazz guitar?** With dedication, you can become proficient in jazz guitar within a few years. However, the journey commences with mastering the fundamentals – playing simple yet beautiful tunes in an uncomplicated manner, creating harmonious connections with fellow guitarists.

**Why is Pappy 15 so expensive?** Pappy's long aging process leads to limited supply. However, Pappy Van Winkle is aged for at least 15 years, which not only increases production costs, but also results in less bourbon to bottle, also because some of the booze naturally evaporates during this process (this is known as the "angel's share").

**What is the MSRP for Pappy 15 year?** \$79.99 – Pappy Van Winkle's Family Reserve Bourbon 15 Year Old. \$149.99 – Pappy Van Winkle's Family Reserve Bourbon 20 Year Old.

**Why is Pappy so hard to get?** Why is it so Hard to Find Pappy Van Winkle Bourbon? As mentioned above, the Pappy Van Winkle bourbon whiskey is usually aged longer than many other brands, and the distillery that makes it only produces a limited amount each year.

**What does pappy 15 taste like?** TASTING NOTES An elegant and sweet aroma with caramel corn and vanilla. Features big flavor of leather, oak and complex fruitiness. Finishes smooth with notes of spice and oak tannins.

**Which Pappy is the rarest?** Pappy Van Winkle's 23-year-old bourbon is the most expensive, but some people, like “Millionaire Magician” Steve Cohen, prefer Pappy's younger bottles. In a series of blind taste tests, Forbes senior contributor Fred Minnick preferred Pappy 23 once, but ranked it last in another.

**Is Pappy Van Winkle a good investment?** These whiskies are great buys at their suggested prices, but returns can quickly diminish if you shell out for an overly-marked-up bottle. Overpaying also feeds into the frenzy that put Pappy out of reach in the first place, and makes the bourbon community a less fun place. But never fear.

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**How many bottles of Pappy are given each year?** According to Whisky Shop, only 84,000 bottles of this rare bourbon are released each year. Compare that to a lower-cost whiskey, such as Jim Beam, which releases 84,000,000 bottles each year, and it puts it in perspective. Many of us will never see, let alone taste, a bottle of Pappy Van Winkle 23.

**How much Pappy was stolen?** In October 2013, \$100,000 worth of aged Pappy Van Winkle Bourbon went missing from the Buffalo Trace distillery, but was it really \$100,000. So 65 cases with six bottles each is 390 bottles.

**What is 20 year Pappy?** KENTUCKY STRAIGHT BOURBON WHISKEY This bourbon is aged 20 years and bottled at 90.4 proof for a wonderfully smooth and rich profile. Pappy Van Winkle was a true character and like its namesake, this bourbon whiskey is full of character – quite a remarkable whiskey.

**What is the poor man's Pappy Van Winkle?** “Poor Man's Pappy” is a 2:3 blend of Weller 12 yr + Old Weller Antique 107. For a ready to to drink blend of Poor Man's Pappy, pour 2 parts (40%) Weller 12 year and 3 parts (60%) Old Weller Antique 107 into a glass. Give it a swirl and let sit for 5-10 minutes.

**Do people sell fake Pappy Van Winkle?** A few guys in Kentucky make the best Van Winkle fakes (although some decent ones are also coming out of Japan). These counterfeiters obtain empty, used Pappy bottles, refill them with a cheap substitute, and then reseal them as convincingly as possible.

**What is the closest thing to Pappy?** The W.L. Weller Special Reserve bourbon is the closest-tasting bourbon to Pappy Van Winkle, as it shares the same recipe as the premium bourbon. Both bourbons are produced by the Buffalo Trace Distillery, with variations in the production process. Pappy Van Winkle is stored in a different warehouse from W.L. Weller.

**How should you drink Pappy Van Winkle?** “It should be enjoyed neat, with maybe a drop or two of water to open it up.”

**Why is Pappy so expensive?** Rarity and Limited Supply: Pappy Van Winkle bourbons are produced in extremely limited quantities. The brand deliberately restricts the number of bottles released yearly, making them highly sought after by

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collectors and bourbon enthusiasts. This limited supply creates a sense of exclusivity and drives up the price.

**What proof is Pappy Van Winkle 15?** Bottled at a robust 107 proof, this beautiful bourbon can be enjoyed straight or tempered with the mixer of your choice.

**Is Pappy Van Winkle overpriced?** Rarity and Limited Supply: Pappy Van Winkle bourbons are produced in extremely limited quantities. The brand deliberately restricts the number of bottles released yearly, making them highly sought after by collectors and bourbon enthusiasts. This limited supply creates a sense of exclusivity and drives up the price.

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## **Witness System Simulation Modeling: Frequently Asked Questions**

### **1. What is Witness System Simulation Modeling?**

Witness is a powerful software tool used for simulating complex systems, processes, and operations. It allows users to create virtual models of real-world scenarios and evaluate their performance under various conditions. Witness is widely used in industries such as manufacturing, healthcare, logistics, and service operations.

## 2. Why should I use Witness System Simulation Modeling?

System simulation modeling provides several benefits:

- **Improved decision-making:** Witness models help analyze different scenarios and identify optimal solutions before implementing changes in real systems.
- **Risk mitigation:** Simulation allows you to test new ideas and strategies in a virtual environment, minimizing the risk associated with actual implementation.
- **Process optimization:** Witness models provide insights into process bottlenecks and inefficiencies, enabling you to optimize workflows and improve efficiency.

## 3. How does Witness Work?

Witness uses discrete event simulation (DES) to model systems. DES breaks down system behavior into discrete events that occur over time. Witness captures these events and uses simulation algorithms to predict system outcomes. The user interface allows you to create detailed models, set parameters, and visualize simulation results.

## 4. What is the difference between Witness and other simulation software?

Witness is known for its ease of use, graphical interface, and extensive library of pre-built models. It also has robust optimization capabilities and can integrate with other software, such as AutoCAD and Excel.

## 5. How can I get started with Witness System Simulation Modeling?

To start using Witness, you can:

- Attend training courses or workshops offered by Lanner, the software developer.
- Consult with a qualified Witness specialist or consultant.

- Access online resources and tutorials provided by Lanner. With its user-friendly interface, powerful capabilities, and wide range of applications, Witness offers a valuable tool for analyzing and improving system performance across industries.

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