Walk-in Activities Schedule

SATURDAY

Planet Earth! runs continuously from 9 AM to 6 PM in 60-120.

	60-118	60-119	80-115	80-113
10 AM – 11 AM	The "Rock and Roll" of Medical Image Features*	Tessellation: Making Cool Patterns	Fun with Shakespeare!	Improv Collaborative Writing Stories
11 AM – 12 PM		Tessellation: Making Cool Patterns	The "Magic" of Illusions	Improv Collaborative Drawing Creatures
LUNCH				
2 PM – 3 PM	Live-Action Cryptography	Tessellation: Making Cool Patterns	Paper Airplanes	Sculpture Nature
3 PM – 4 PM	Post-it Pixel Art	Tessellation: Making Cool Patterns	Powerpoint Karaoke	Sculpture Nature
4 PM – 5 PM	Trivial Pursuit	Tessellation: Making Cool Patterns		Improv Collaborative Writing Stories
5 PM – 6 PM			Sweet Liquid Nitrogen Demo*	

* this class will run two 30 min. sections during the hour

Walk-in Activities Descriptions

The "Rock and Roll" of Medical Image Features - Discover the magic behind medical images. What are the medical images that doctors take? Learn to differentiate disease from normal by looking at visual "texture." Then, the fun begins by watching demos: with your help, we will demonstrate that image structure and texture is not just visual, but that we can make them sing!

Tessellation: Making Cool Patterns - We will learn how to create tessellations, tiling the two-dimensional plane with a repeating pattern. You will be introduced to basic tessellation techniques and a tiny bit of geometry, and get a chance to make their own. Think: a soccer ball or M.C. Escher!

Fun with Shakespeare! - Fun hands-on intro to Shakespeare activities with the Stanford Shakespeare Company!

Improv Collaborative Writing Stories - Write improv short stories with others, have fun reading the unexpected results! Each person will provide whatever they can write in a few minutes. Then the story is passed to the next writer such that the next writer can only see the last line of what the previous writer wrote. At the end, we will read a few of them out loud.

The "Magic" of Illusions - Illusions are amazing ways in which we can discover how we as humans perceive the world around us. Come explore cool illusions of sight and sound, you might be surprised by what you see or hear!

Improv Collaborative Drawing Creatures - Draw improv creatures with others and have fun sharing the unexpected results! Each person will have a few minutes to draw a portion of a creature. Then the creature is passed to the next drawer such that the next drawer can only see a half inch of where they need to connect. At the end, we will share the results.

Live-Action Cryptography - Learn how to send secure messages to your friends that others can't decrypt! We will do some exercises to demonstrate different real-life cryptographic systems. Though these concepts are used in modern day security, they are actually simple to implement and can be done with just paper, pen, and a calculator.

Paper Airplanes - Make a plane that flies farther or faster than anyone else's. We will practice making all kinds of paper planes and even compete to see whose plane is the best.

Sculpture Nature - Gather materials from nature to make sculptures, or really, anything you want.

Post-it Pixel Art - Make huge works of art out of post-it notes! Using each individual post-it note as a single color pixel, you can recreate sprites from your favorite retro video games. Make awesome murals of Pokemon, Mario, or your own design.

Powerpoint Karaoke - Can you think on your feet? Show off your improv skills in Powerpoint Karaoke. You will be tasked with presenting a few slides with random graphs and charts that you have probably never seen before. Be creative in explaining whatever crazy phenomenon you can think up!

Trivial Pursuit - Test your knowledge of history, science, popculture, and more. We will be playing games of Trivial Pursuit. Play with your peers and maybe learn something new!

Sweet Liquid Nitrogen Demo - Can you imagine a liquid that's colder than ice? Come and meet a physicist's best friend - liquid nitrogen! We'll be using this cryogenic fluid to perform such experiments as deflating balloons, smashing flowers, and making treats. Have good fun in the name of science!