

# Splash 2014 Walk-in Activities Schedule

SATURDAY, NOVEMBER 22

10:30 – 11:30    11:30 – 12:30    12:30 – 1:30    1:30 – 2:30    2:30 – 3:30    3:30 – 4:30    4:30 – 5:30    5:30 – 6:30

Magic: The Walk-In Activity			Mahjong				
Origami			The Many Forms of Poker		SET and Pro Set		
Mechanical Puzzles		Paper Staple Madness					
Poi!		Harnessing the Sun			Mafia and Hoggy Poggy!		
Learn how to Yo-Yo!				Circuit Bending			
	Rub3 Against Th3 Machin3 3						
DIY Nail Art	Language and Logic		Non gender conforming identities				

SUNDAY, NOVEMBER 23

9:30 – 10:30    10:30 – 11:30    11:30 – 12:30    12:30 – 1:30    1:30 – 2:30    2:30 – 3:30    3:30 – 4:30    4:30 – 5:30

Mechanical Puzzles		Mahjong				
Exploring Tessellations: art + origami	Giant Modular Origami	Kindergarten			The Many Forms of Poker	
Hair Bows and Bow Ties	Art!			Tape!		
Mafia and Hoggy Poggy!	Take stuff apart!		See, touch, and type on a (real, live) typewriter!		Penspinning Fundamentals	
	Poi!!!!!!	Resist gravity			Poi!!!!!!	
Poi!!!!!!	Crash demos in physics!			Liquid Nitrogen Ice Cream		Snickers Candy Bars
Iterated Prisoner's Dilemma	Now hiring: programming ninjas		DIY Nail Art		Misconceptions	

## Splash 2014 Walk-ins

Format:

**Title of class** by teacher(s)

Day start<sub>Time</sub> – end<sub>Time</sub> (location)

Description

**Art!** by Sophia Tigges, Haley Bates-Tarasewicz Sunday 11:30 – 2:30 (C)  
Come and work on art projects with us. Materials provided (not infinite).

**Circuit Bending** by Benjamin Sena Saturday 2:30 – 5:30 (E)  
"I wonder what happens if I..."  
Discover the soothing melodies of blindly crossed wires. I will bring some cheap keyboards, toy guitars, and other musical toys, and with some alligator clips and a little guidance you will make magic.

**Crash demos in physics!** by James Penna Sunday 10:30 – 2:30 (F)  
You came in like a.....simple frictionless pendulum? Come see a few neat principles from physics demonstrated by live experiments and demos right before your eyes! Learn how a few sets of equations govern what's around you and learn how to use the  $F = ma!$

**DIY Nails** by Madhurima Das, Tessa Winkel Saturday 10:30 – 12:30 (G) & Sunday 2:30 – 4:30 (G)  
We'll teach awesome things, like nail art. We can do basics and designs and maybe a few requests. We have lots of nail polish.

**Exploring Tessellations: art + origami** by Tracy Cheng Sunday 9:30 – 11:30 (B)  
Learn how to design your own tessellation patterns and/or origami tessellations!

**Geology of Snickers Candy Bars** by Jaz Harris Sunday 4:30 – 5:30 (F)  
Let's discover the composition of a snickers bar! In the process, let's also make one.

**Giant Modular Origami** by Benjamin Kraft Sunday 11:30 – 12:30 (B)  
Make giant modular origami using old ESP flyers!

**Hair Bows and Bow Ties** by Yanisa Techagumthorn Sunday 9:30 – 11:30 (C)  
Come in and make cool hair bows and bow ties that you can take home with you!

**Harnessing the Sun** by Nancy Li Saturday 1:30 – 4:30 (D)  
This walk-in course illustrates through hands-on activities the different forms of energy conversion pertinent to everyday life. Many fundamental principles in physics, chemistry, and biology will be emphasized.

**Iterated Prisoner's Dilemma** by Gabriel Davis Sunday 9:30 – 11:30 (G)  
The Nash equilibrium says that everyone loses-- can you do better?? We will create teams and play a couple of games of Iterated Prisoner's Dilemma! No prior knowledge of game theory is required or expected, but if you want to read up, check out Wikipedia:  
([http://en.wikipedia.org/wiki/Prisoner's\\_dilemma](http://en.wikipedia.org/wiki/Prisoner's_dilemma))

**Kindergarten** by Elizabeth Berg, Corinn Herrick Sunday 12:20 – 2:30 (B)  
Have you been spending Splash running from one advanced math class to another? Do you miss Kindergarten, when you would spend all day coloring and building with blocks? So do we! Take a break from learning philosophy or physics, and come join us in Splash Kindergarten. There will be legos, coloring, snack time, and more.

**Language and Logic** by Daniela Ganelin Saturday 12:30 – 2:30 (G)  
Language doesn't always make sense. But what if it did? Come solve puzzles from the North American Computational Linguistics Olympiad and learn how to use obscure languages you've never heard of. No knowledge of linguistics or formal logic required, just a fondness for using your brain.

**Learn how to Yo-Yo!** by John Chow Saturday 10:30 – 2:30 (E)  
Learn yo-yo tricks from a competitive yoyoer! Learn about competitive yo-yoing and how the toy has changed into a competitive hobby.

**Liquid Nitrogen Ice Cream** by Eric Mannes, Elizabeth Berg Sunday 2:30 – 4:30 (F)  
Like ice cream? Watch us make it using liquid nitrogen, and learn about some cool properties of LN2 along the way. Served steaming cold!

**Mafia and Hoggy Poggy!** by Francesca Majluf, Eleni Pitses  
Saturday 4:30 – 6:30 (D) & Sunday 9:30 – 11:30 (D)  
Come help your town eradicate the evil mafia - or make them believe that, while helping your mafia take control of the town! And if you're executed, join some late-comers in a hilarious word game!

**Magic: The Walk-In Activity** by Fangfei Shen, Eugenio Fortanelly Saturday 10:30 – 11:30 (A)  
Come play Magic: The Gathering! Please bring your own deck.

**Mahjong** by George Liu-Krason Saturday 1:30 – 6:30 (A) & Sunday 12:30 – 5:30 (A)  
Mahjong is a multiplayer tile game widely played in Eastern Asia. It is a game that requires skill and strategic thinking but also involves an element of chance. All skill levels are welcome whether you're new to the game or have been playing for a long time.

**Mechanical Puzzles** by Benjamin Sena Saturday 10:30 – 1:30 (C) & Sunday 9:30 – 12:30 (A)  
Come try your hand at these physical brain teasers. Careful! You might spend all day trying to get the ring off.

**Misconceptions** by Jerry Wu Sunday 4:30 – 5:30 (G)  
We will be reading from Wikipedia's List of Common Misconceptions, even though it isn't the first Tuesday in February. Because why not.

**Non gender conforming identities** by NiBr Brode-Roger Saturday 2:30 – 6:30 (G)  
Most people around you fit neatly in two categories: female and male. Typically, these categories are considered fixed and exclusive, however many individuals don't fit in them or fit in one that doesn't correspond to them.  
In this activity, you will be able to ask awkward questions and learn more about individuals not fitting in to the gender norm.

**Now hiring: programming ninjas** by Felix Sun Sunday 11:30 – 2:30 (G)  
We're looking for computer programmers to join our dynamic, agile, buzzwordy team! Come interview for our wide variety of positions, available immediately. Wha, you're a 9th grader? It's never too early to start... come, give it a shot! What do you say?  
Come experience what it's like to interview for a programming job. Don't worry - it's fun! We are looking for people at all levels of experience (aka, we will have appropriate problems for you, whether you are just starting out, or more experienced). If you absolutely have no idea how to code, you can still watch your friends get interviewed, and learn something about the process.  
If you are interested in turning the tables and becoming an interviewer, we may be able to do that, too.

**Origami** by Yongquan Lu Saturday 10:30 – 2:30 (B)  
Come fold things with OrigaMIT, MIT's origami club! We'll provide paper, diagrams and help.

**Paper Staple Madness** by Zachary Abel Saturday 1:30 – 5:30 (C)  
Put your "cut here" and "staple there" skills to good use while constructing fun, wavy, bouncy, intricate polyhedral structures! Patterns will be provided.

**Penspinning Fundamentals** by Liang Zhou, Danny Tang Sunday 3:30 – 5:30 (D)  
Ever seen classmates twirl pens between their fingers and wanted to be able to do it yourself? Ever felt jealous when the pen would fall every time you tried? Then come for a tutorial and practice session on the basics of penspinning. No experience required :D

**Poi!** by Elizabeth Mittmann Saturday 10:30 – 1:30 (D)  
Attach weights to the end of strings and spin them around - what patterns can you make? Introductory poi techniques will be taught.

**Poiiii** by Jason Schuchardt Sunday 9:30 – 10:30 (F), 11:30 – 12:30 (E), 3:30 – 5:30 (E)  
Learn to spin thingys such as pretty lights and glowsticks.

**Resist gravity** by Miriam Pofcher Sunday 12:30 – 3:30 (E)  
Learn to juggle! Make your own juggling balls!

**Rub3 Against Th3 Machin3 3** by James Buckland Saturday 12:30 – 5:30 (F)

Welcome to Rub3 Against Th3 Machin3 3: Rub3 of th3 Plan3t of th3 Ap3s.

The year: 2026. San Francisco. James Franco is nowhere to be found. The Apes are swinging their way over the bridge like that one scene from the trailer. You don't know what happens next, because you haven't seen the movie. Of course you haven't, no one has. But that's OK.

You're armed. You're armed with duct tape, WD-40, rubber bands, marbles, wood blocks, string, and a whole lot of Lego. This is it. You've been training for it all your lives. In 2012 you built a machine that launched a marble down a track. In 2013 you built another machine, that also launched a marble, down another, different track. This year, in 2014, we're going to launch a third marble down a third, entirely new track.

Join us at MIT Splash to defeat the Apes and protect the Planet from their Rise... no, their Rube.

Rube Against The Machine 3: Rube of the Planet of the Apes

**See, touch, and type on a (real, live) typewriter!** by William Navarre Sunday 1:30 – 3:30 (D)

Do you vaguely know what a typewriter is?

Do you know that it makes a dingy sound sometimes? Do you have any idea what that means? Hint: It has something to do with manual-carriage-return.

Come see for yourself how the thing works.

**SET and Pro Set** by Anthony Lu Saturday 4:30 – 6:30 (B)

Come play SET, a fun fast-paced card game of visual perception and pattern matching. We'll also have Pro(ject) Set, a SET variant with the interesting property that in any 7 cards you can always find a set. Learn to play and challenge your friends!

**Splashwide Book Exchange** by Amy Estersohn All Saturday and Sunday

Bring your old books so that they can become somebody's new books! Come and browse what we have in store!

**Take stuff apart!** by Emily TenCate Sunday 11:30 – 1:30 (D)

In this walk-in, we encourage you to BE DESTRUCTIVE. We've brought you some random broken/used/retired equipment! Take the things apart! Figure out how they work! Rebuild them (or make giant hybrid monster machines out of many different parts)!

**Tape!** by Haley Bates-Tarasewicz Sunday 2:30 – 5:30 (C)

Come make things with tape! Duct tape, masking tape, packing tape, all kinds of tape! Make sculptures, accessories, pictures, or even clothing! Not sure where to start? We'll help you figure it out!

**The Many Forms of Poker** by William Sablove Saturday 2:30 – 4:30 (B) & Sunday 3:30 – 5:30 (B)

Pull up a chair and I'll deal you in. You will learn about different versions of poker that they play at major events like the WSOP. Meet new people, play a few hands, and have fun!