

Mozilla Clubs Teaching Opportunities and Lesson Plans

PRIVACY BASICS: PROTECT YOUR DATA

(Good for Younger Youth, Be A Smart Cookie Campaign)

<https://teach.mozilla.org/activities/protect-your-data/>

Engage learners around the topic of privacy in this six-part module, developed in conjunction with Hive Toronto and the Mozilla Privacy Team.

These activities will help your learners understand how to take control of their privacy in a networked world. Complete the activities in sequence, or mix and match

Reading on the web

IP Tracer

Understanding Privacy

Learners explore internet protocol (IP) addresses and create a map to illustrate their associations with individuals, devices, or websites.

Understanding Security

Understanding Web Mechanics Learners investigate the differences between weak and strong passwords, and create a collage to document bad password practices.

Writing the Web

Cookies and Third Party Tracking

Understanding Privacy and Open Practices

Using a free and open source tool called Mozilla Lightbeam, learners see how cookies and third-party trackers monitor their everyday tasks on the web. Then they divide into teams and race to see who can gather the most trackers.

Draw Secure Passwords

Understanding privacy and security

Learners generate pass-phrases, pronounceable and random passwords based on best practices. Then they create a survey to pass along their knowledge to friends and family.

Participating on the Web

Data Trail Timeline

Understanding remixing, privacy

Learners create a timeline, video or slideshow remix to demonstrate how information gets collected by companies and other organizations throughout the course of a typical day.

Privacy Coach

Understanding privacy and open practices

Learners become privacy mentors to their peers by sharing their expertise through discussion or creating their own “recipe” documentation on privacy.

PRIVACY BASICS: ONLINE TRACKING

(Good for 10-12 Year Olds, CLICK KNOW WHO'S THERE Campaign)

<https://d157rqmxrxj6ey.cloudfront.net/mozstacy/21938/>

Online Tracking 101 Teaching Kit

Made by [Stacy Martin](#), Senior Data Privacy Manager at Mozilla.

Learners will complete a set of hands-on activities to better understand types of **online tracking** through the use of cookies and other technologies.

Learning Objectives

- What cookies are
- How they are used
- Types of cookies
- Benefits of cookies
- Privacy concerns with cookies
- Actions you can take

Resources

- Get Smart On the Web - Tracking
- Why Are They Called Cookies?
- Cookies - following the crumbs - frequently asked questions
- Cookies - following the crumbs - web tracking with cookies
- A Primer on Web Analytics Visitor Tracking Cookies
- Location Tracking

Tips and Tricks

- Tracking - So What? Seven Common Myths Debunked
- Look to Your Browser
- Test Your Browser Fingerprint
- Change Your Browser Cookie Settings
- Check Your Public Location Data
- How to Self-Dox
- Lightbeam
- Trackography

-Privacy Badger

Learning Activities

1. Cookie Batch Bingo- Learn about online tracking by matching cookie terms with their definitions through a game of bingo.
2. Creep-o-meter- Rate tracking habits from normal to creepy.
3. What's your tracking type? - A speed dating game exercise.
4. Tracking Cookies with Lightbeam- Find out and understand who's watching you.
5. Look Who's Tracking- Using Mozilla's Lightbeam Tool

PRIVACY BASICS: PASSWORDS, TRACKING AND DATA RETENTION

(Good for Older Youth, THE PRIVACY GAME Campaign)

<https://learning.mozilla.org/activities/privacy-basics/>

Learn how to safeguard your privacy online and develop an awareness of how companies and governments track and collect your data online.

Learning Objectives

Learners will understand Web mechanics, security, and privacy as they analyze and reflect on common surveillance practices, as well as their own privacy habits.

PASSWORDS

Passwords Agenda

Understanding Security

Learners will evaluate strong and weak passwords and develop their own strategies for creating secure passwords, learning about security and privacy.

Testing Password Strength

Understanding Security

Learners will look at leaked passwords to identify weak password habits to avoid and then they'll test possible passwords using an online "password meter", learning about security and privacy.

Creating Strong Passwords

Understanding Security

Learners will use several different ways to create strong passwords, learning about security and privacy.

Avoiding Password Reuse

Understanding Security

Learners will see why re-using passwords is a bad idea and pick up strategies for avoiding that habit, learning about security.

Using Two-Factor Authentication

Understanding Web Mechanics

Learners will find out how two-factor authentication works to secure personal information online, learning about web mechanics and security.

PRIVACY

Privacy Agenda

Understanding Privacy

Learners will develop strategies to safeguard their information online and discover how to monitor websites that track their browser histories using cookies, learning about privacy.

If it's Personal Offline, It's Personal Online.

Understanding Composing

Learners will watch a series of videos highlighting the importance of safeguarding personal, private information online, as well as offline, learning about privacy.

Spectrogram for Privacy

Understanding Composing

Learners will participate in a spectrogram activity to develop and discuss their own viewpoints on Internet privacy, learning about privacy.

Tracking Cookies with Lightbeam

Understanding Privacy

Learners will use Lightbeam, an online privacy tool, to discover who is tracking them online while they browse the Web, learning about privacy.

Privacy Elevator Speech

Understanding Composing

Learners will write their own 30- to 60-second elevator speeches championing healthy data privacy habits online and share their pitches with others learning to participate on the Web, learning about privacy.

Data Retention Agenda

Understanding Privacy

Learners will understand how and why companies and government collect metadata about Web users and evaluate their need for privacy against the pros and cons of data retention, learning about Web mechanics and privacy.

Data Retention: Pros and Cons

Understanding Privacy

Learners will understand how and why companies and governments collect metadata about Web users and evaluate users' individual needs for privacy against the pros and cons of data retention, learning about Web mechanics and privacy.

Follow Your Data Trail

Understanding Web Mechanics

Learners will understand how a large amount of data can be collected about individuals through their movement in the real and digital worlds, learning about Web mechanics and privacy.

Minding Your Metadata

Understanding Web mechanics

Learners will understand how a large amount of data can be collected about individuals through their movement in the real and digital worlds, learning about Web mechanics and privacy.

ANIMATION ON THE OPEN WEB WITH FABBLE, PARA PARA, AND 3D PROJECTION MAPPING

Great for all age groups

<https://teach.mozilla.org/activities/parapara/>

Learn to use Mozilla Factory's Parapara and Fable, open web tools for animation and sharing work online. Create 2D animations, 3D projection-mapped animations, and 'recipes' that others can fork for remix on Fable.

Learning Objectives

Learners will understand composing, open practice, and sharing on the Web.

Participating on the Web

AGENDA

Understanding composing

Learners will create 2D and projection-mapped 3D animations with Para Para and then share their own ideas for projects using Fable, learning composing, open practice, and sharing.

CREATING A 2D PARAPARA ANIMATION

Understanding composing

Learners will create and share their own 2D Parapara animations, learning community participation, composing, open practice, and sharing.

PROJECTION MAPPING WITH PARAPARA ANIMATION

Understanding composing

Create your own projection mapping with Parapara Animation.

FABBLE TUTORIAL

Understanding sharing

Share your work on the open web with this documentation and storytelling platform from Mozilla Factory.

Mozilla Clubs

Teacher and Parent Resources

<https://teach.mozilla.org/clubs>

<https://learning.mozilla.org/clubs>

<https://learning.mozilla.org/community>

<https://learning.mozilla.org/community/curriculum-workshop>

What is a Mozilla Club?

A Mozilla Club meets regularly in-person to learn how to read, write and participate on the Web in an inclusive, engaging way.

Why organize a Mozilla Club?

Your learners will make things that interest them. We learn best by making projects we care about, with peers who support and encourage us.

Your learners will benefit from regular engagement. Literacy doesn't happen overnight. Mozilla Clubs honors the fact that learning takes time.

You'll develop your leadership skills. Improve your own leadership and organizing experience by becoming a Mozilla Club Captain.

You can use Mozilla's free and educator-tested curriculum. Our [curriculum](#) is free to use and remix.

You can embed it in your existing program. You may already be serving a group of learners or running an educational offering. Mozilla Clubs can be a way to embed [Web Literacy](#) into your existing program.

Become a Club Captain

Organize a group that meets regularly to learn how to read, write and participate on the Web. Plan activities using the Mozilla Clubs curriculum. This role is perfect for educators, college students, and anyone who can meet with a group of learners regularly.

A Mozilla Club Captain pledges to:

- Teach how to read, write and participate on the Web using inclusive and participatory methods.

- Empower learners through authentic making, reflective learning, and meaningful action with and on the Web.

- Commit to the mission of universal web literacy and sharing their club's experience with Mozilla's community networks.

Mozilla clubs present a great opportunity for parents and teachers to become actively involved in their child's/student's web literacy activities while they learn web literacy basics together.

Mozilla Club Guide:

Mixing Your Afterschool Program & Your Mozilla Club

Mozilla Clubs offer an opportunity to regularly bring digital literacy skills into an afterschool environment and participate in a global community of teachers and learners. Afterschool programs are the ideal setting for educators and participants to teach and learn digital literacy skills by adapting Mozilla Club curriculum. Any afterschool provider interested in learning web literacy skills to help facilitate positive experiences in their programs, and create new and innovative hands-on activities can lead the effort.

Mozilla Club curriculum can be incorporated into existing programming over a month, a 6-8 week period or a weeklong summer camp module, or during professional development days.

There are many benefits of mixing your afterschool program with Mozilla Club:

- Connect with hands-on learning activities where afterschool educators and participants learn how to read, write, and participate on the Web, teach others, and learn together.
- Empower afterschool educators with professional development opportunities that will continually bring them up to speed on the latest web literacy skills.
- Combine these Web Literacy skills with current and new projects that are on and off-line.
- Strengthen your afterschool program by teaching core web literacy skills to students that will enhance in-school learning and STEM skillset.
- Participate in global campaigns such as Data Privacy Day, International Women's Day, Maker Party etc.

Activity Ideas

At your next staff meeting, share the [Mozilla Clubs activities](#) and determine how to adapt the activities to your afterschool program. The [Web Literacy Basics module](#), which is comprised of six activities, each approximately 45 minutes in length are a great way to start and is easily adaptable for many age groups.

Participants can try these activities together, and a takeaway assignment could be to teach to their parents or other adults in their lives as part of a project.

There are lots of activities, both online and offline at teach.mozilla.org/activities. Here are a few suggestions to make the most of your afterschool program/Mozilla Club mix:

- Personal Presentation Icebreakers: Sit in a circle and...
 - When was the first time you remember using the web?
 - What is one thing you would love to learn about the web?
 - What challenges do you face when it comes to digital use and learning?
- Post-It Note Q&A/Discussions: Provide a prompt and have participants write answers/feedback on a post-it note, then stick it to a wall. Facilitate discussion afterwards.
 - Prompt Ideas:
 - If you had to describe the web in one word, what would it be? Why?
 - If you were to connect the web with something you are passionate about, what would it be? (Then discuss as a group how you can do this.)
- Lo-Fi, No-Fi Activities: It encourages teamwork, provides opportunity for great discussion, and can surface opportunities to build a stronger sense of community within your group dynamic. These can be especially fun when hosting a larger event that includes outside community members.
 - [Studio.code.org](https://studio.code.org) offers many “unplugged” activities for those with no prior programming experience.
 - [Teach.mozilla.org](https://teach.mozilla.org) offers 19 activities in this [lo-fi, no-fi teaching kit](#).
- Group Hack/Remix Challenges: When you do have connectivity, give these a try. Whatever tool or challenge you decide to use, pair your participants into teams to work together to achieve a goal. Add a bit of playful competition between teams by adding time restrictions, small prizes, or bragging rights.
 - [Thimble](#) - [Interactive Postcard](#) Remix
 - [Create a WebMaker Project](#)
 - [X-Ray Goggles](#) - [Hack the News](#) activity

More Resources

Want even more ideas and tools for mixing your Mozilla Club and afterschool program? Here are a few resources to help you dig further.

- [Teach Like Mozilla - Our Values](#)
- [Discourse Community Forum](#)
- [Hive NYC training program for educators](#) and educator ideas for running activities in the school in [this outcomes blogpost](#)

Contact

- Email Mozilla's Club expert Amira Dhalla (amira@mozillafoundation.org) with any questions about Mozilla Clubs
- Tweet us anytime [@MozTeach](#) or using [#teachtheweb](#) or [#MozillaClubs](#)
- Is your Mozilla Club doing an awesome job of retaining and growing the community? [Share your story with us!](#)

Mozilla Club Guide:

Using Mozilla Clubs In Your Established Club

Do you already run a weekly or monthly meetup in a club-like setting? Mozilla Clubs are designed so that they can be used as a compliment to your existing structure without changing the nature of your group. Whether a summer camp, teen leadership summit, or a local community meetup, you can embed Web Literacy into your current programming without losing your club's identity.

Why merge an existing club with a Mozilla Club?

Mozilla's [curriculum](#) offers great educational benefits that can complement your existing club agenda. Open Source [web literacy tools and resources](#) are also available which can be used to further skills in reading, writing and participation on the web.

As an established club, you already have a classroom of learners whether you meet in the local library, community centre or around the kitchen table. Mozilla clubs can be an added dynamic to your meetup, providing activities with a clear goal and outcome around digital education. We want to help facilitate your club members learning by showing you how to teach with open practices and learning through making. Mozilla clubs are formed at a local level but to are a part of a global community (and all of the support and resources that come with it).

How to Merge your Existing Club with Your Mozilla Club

Getting started is easy. We have the curriculum laid out and ready for you to take to the top of the room. Club captains (that's you!) are given access to curriculum with the agenda to read, write and participate on the open web. Tested curriculum, built by established teachers and educational bodies from around the world, feature activities within each lesson that encourage group participation and mentorship. Of course, you can adjust the curriculum to suit your own needs and directives.

As a part of that global community we mentioned earlier, your Mozilla Club will have access to:

- Training Materials: We have teaching kits available online at teach.mozilla.org that will walk you through everything you need to know about the activities: what to say, how to facilitate discussion, timing, and much more.
- Peer support: Ask questions, share challenges or successes, or connect with others who are running similar programs at their community meetups in our online forum [Discourse](#).
- Individual support: When you start a Mozilla Club, you may be assigned to a Regional Coordinator to help you get set up and find the most relevant resources in your local and global community.
- Campaign support: Be apart of Mozilla-led or global campaigns and receive material, curriculum and support when participating.

Real-life Clubs mashup: Meet Sarah who runs an CoderDojo and was introduced to Mozilla Clubs

Sarah, from London, runs a MozLdN event in her work place once a month; she holds scratch lessons, HTML workshops and now includes Mozilla Clubs curriculum within the 3 hours meetup agenda:



"I was running a local meet up on the weekends for young adults between the ages of 10-15 years of age and I already had a format that was working for the day.

My club not only caters to a wide range of ages but also a wide range of levels so I wanted to include additional curriculum into the Club where some kids who wanted to learn more and apply the skills they picked up via Scratch or HTML and could see these skills applied in other areas of the web.

I started by dipping into the Grab and Go curriculum on the teach.mozilla.org site but I soon realised by applying the curriculum plan I was also applying a metric to the lessons- I could see the childrens skill advancing over the 6 weeks I taught the preplanned curriculum.

The support is great- I would never consider myself hugely technical or with great digital skills but each lesson had a great support structure behind the lesson where I could read the discourse conversation, note the advice other teachers gave who had previous tried and tested the lesson with a variety of age groups and levels. The lessons are laid out in a format that is easy to apply on the day without much remixing needed.

The kids work with me on the 6- week program, we both learn new skills that can be applied elsewhere within our club agenda.”

Contact:

- Email Mozilla’s Club expert Amira Dhalla (amira@mozillafoundation.org) with any questions about Mozilla Clubs and how to mash up your current Club with a Mozilla Club
- Tweet us anytime [@MozTeach](https://twitter.com/MozTeach) or using [#teachtheweb](https://twitter.com/teachtheweb) or #MozillaClubs

Has your current Club mashed up with Mozilla Clubs? [Share your story with us!](#)

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