



Course Builder

Open source MOOC platform

<https://code.google.com/p/course-builder/>

World-class products:



Bring the products together

Google Course Builder



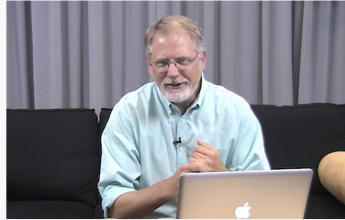
Google courses on Course Builder

Power Searching with Google

Thanks for visiting! For a short time, the course materials for Power Searching with Google will remain accessible below. Then they will be made permanently available at the [Google Search Education site](#).

- For a handy reference of all search tips from the course, check out our printable [Power Searching Quick Guide](#).
- To receive announcements about future search-related classes, add yourself to the [Search Education Google Groups mailing list](#).
- If you are specifically interested in search classes for K-12 education, join the [Search Education K-12 Google Groups mailing list](#).

Note that only Google can post to these groups, and you will not receive messages from other users.



Home **Advanced Power Searching** Power Searching

Announcements Course Skills Forum My Profile

Syllabus

Courses

Mapping with Google

Discover new ways to navigate the world around you with Google Maps and Google Earth.

Improve your use of new and existing features of Google's mapping tools.

Choose your own path. Complete a project using Google Maps, Google Earth, or both, and earn a certificate of completion.

[Start Now](#)

Google Maps Lessons & Project



Explore features of the new Google Maps. Learn to create and share custom maps using Google Maps Engine Lite. Taught by Google Maps Product Managers [Daniel Demetri](#) and [Beth Liebert](#).

Google Earth Lessons & Project



Discover the world using Google Earth. Learn how to create and share a tour of interesting locations that tells a 3D geographical story. Taught by Google Earth Product Manager [Peter Birch](#).

Introduction to Mapping with Google



Course Information

Mapping with Google will be offered from **June 10 - June 24** self-paced, online course where you will watch videos (or read lessons) and apply the skills you learn.

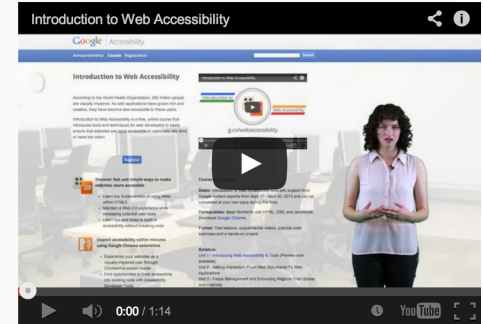
During this course, you will be able to collaborate with a world community of learners and experts in the class forum, Hangout via Google+.

Course completion requires an internet-enabled desktop or laptop computer.

Introduction to Web Accessibility

According to the World Health Organization, 285 million people have vision impairments. As web applications have grown rich and creative, they have become less accessible to these users.

Introduction to Web Accessibility is an online course that introduces tools and techniques for web developers to easily ensure that websites are more accessible.



Google Making Sense of Data 8+1 3.4k

Announcements **Course** FAQ Resources Forum Registration

Making Sense of Data

Do you work with surveys, demographic information, evaluation data, test scores, or observation data? Are you interested in making the data you collect more useful by organizing it, analyzing it, and applying it in different ways?

This self-paced, online course is intended for anyone who wants to learn more about how to structure, visualize, and manipulate data. This includes student, educators, researchers, journalists, and small business owners.

What questions are you looking to answer, and what story are you trying to tell with your data? Learn more by registering for this course, and check out our [FAQ](#) page.



[Register](#)



▶ [Introducing the Data Process](#)

Dates

The course is available from **March 18 - April 4, 2014** with support from peers and Google content experts.

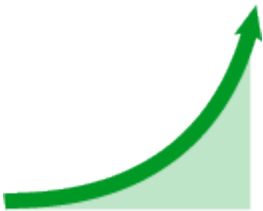
Why Course Builder?



Free and open source

We believe that educators want open tools that allow them to bring their teaching to the world without giving up their student relationship or university branding

Scalable



An education platform should scale as easily as a YouTube video does, from 1 to millions of users

With Course Builder, you:

Own the student relationship.

Just you and your students. Your data on your App Engine instance.

Own the course content.

Your course, your way, on your schedule. Experiment as you like!

Scale from 1 to 100k+ students.

Google services will do all the heavy lifting for you.

Global content for a global audience

Launched courses

Programming in C

NPTEL (IIT Kanpur)

Basic Electrical Circuits

NPTEL (IIT Madras)

Programming, Data Structures and Algorithms

NPTEL (IIT Madras)

Healthy Lifestyle

International Red Cross

Information Visualization

Indiana University

Mechanics 101

Saylor Foundation

Valoración de futbolistas (Analytic Hierarchy Process)

Universitat Politècnica de València

Unimooc (Entrepreneurship)

University of Alicante, Santander

The screenshot shows a web browser displaying the NPTEL website. The URL is <https://onlinecourses.nptel.ac.in/programming101/unit?unit=1&lesson=6>. The page title is "NPTEL" and the user is logged in as "ashwaniapex@gmail.com". The main content area is titled "Basic Programming Constructs" and "Input and Output Statements". A video player is embedded, showing a man in a blue and white striped shirt speaking. Below the video is an "Ask a question" button. To the left of the video is a "Course outline" sidebar with a list of topics, including "Introduction to Computers and Programming", "Writing your first program", "Variables, Operators and Expressions", "Variable declarations, more operators and precedence", "Input and Output Statements", "Conditionals", "Loops", "Assessment 1 on Basic Programming Constructs", "Sum of Numbers", "Points in a line", "Digital Root", and "Factors of an Integer". Below the sidebar are sections for "Help and FAQs" and "Instant Hangout" with a "Start the Hangout" button. At the bottom, there is a section "About the lecture" with a paragraph of text and a list of topics: "Input/Output statements", "printf, scanf", and "Simple and compound statements".

What can I do with Course Builder?

Key features

- **Create online courses** with lessons, activities, and assessments
- **Support multiple lessons** or activities per class, and multiple courses
- **Easily insert videos**, text, or document lessons

Also in the box

- Accessibility support
- Registration, syllabus pages
- Announcements page
- Student profile page
- Google Groups integration
- Google+ integration
- Google Hangouts integration
(including help setting up a Hangout on Air for your class)
- Google Moderator integration
- Google Analytics integration

Some learnings from running MOOCs

Source: <http://www.google.com/edu/openonline/insights/index.html>

Why do students register for a MOOC?

What is your primary reason for registering for this course?

- Gain a **general understanding** about accessibility without necessarily completing all course work
- **Learn one or two things** about web accessibility (for example, ChromeVox, ARIA) without completing all course work
- **Complete all course work** to learn how to improve websites' accessibility
- **Evaluate the accessibility of Course Builder** without completing course work
- I am **interested in seeing how this online course is taught** and not aiming to learn about web accessibility

Student goals

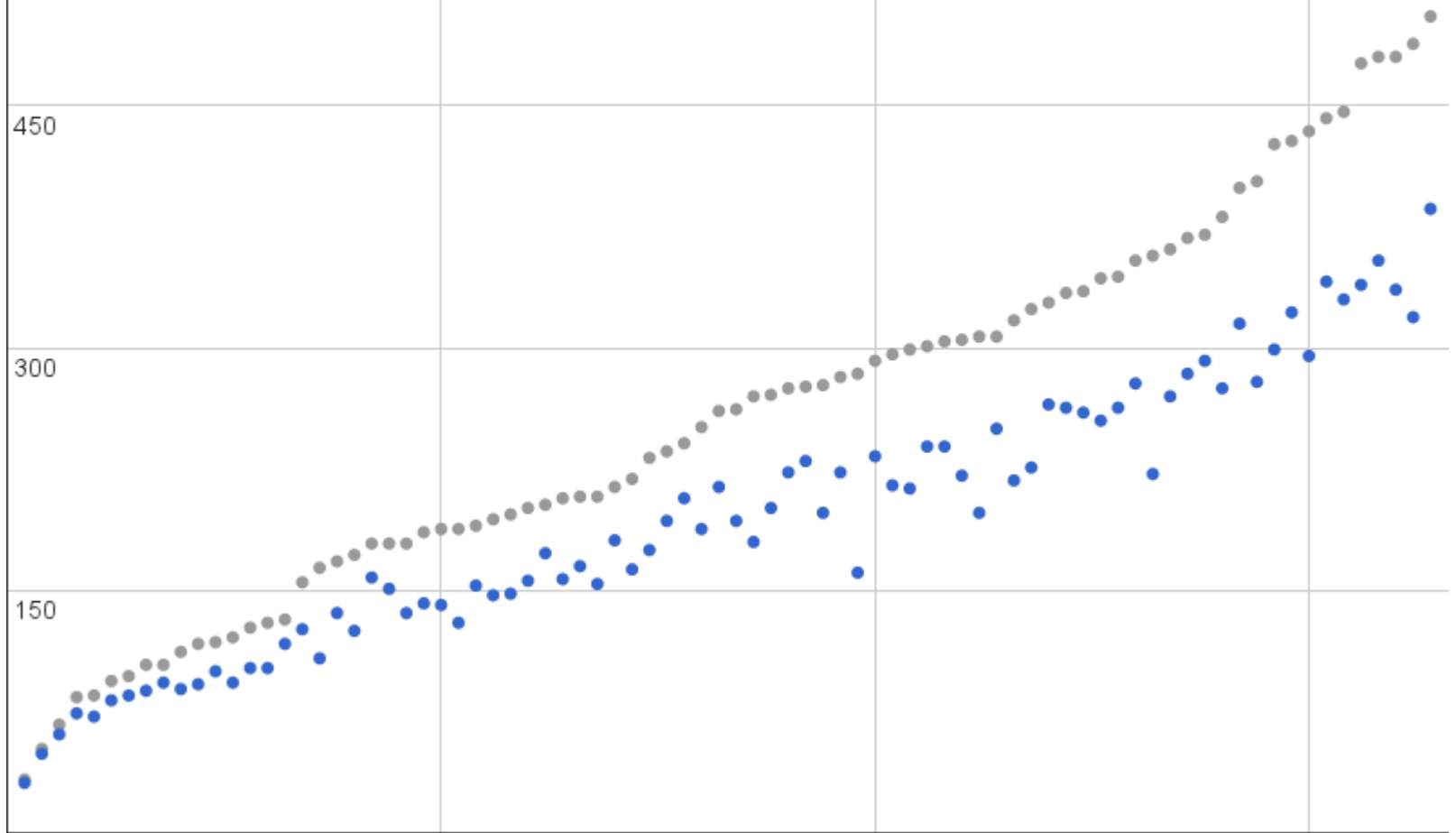
	Registrants intending to complete course	Active students who met or exceeded goal
Mapping with Google	52%	42%
Intro Web Accessibility	57%	50%

What do students do in MOOCs?

All MOOC Videos: Length versus View duration

Course videos / Time (sec)

■ video duration (sec) ■ view duration (sec)

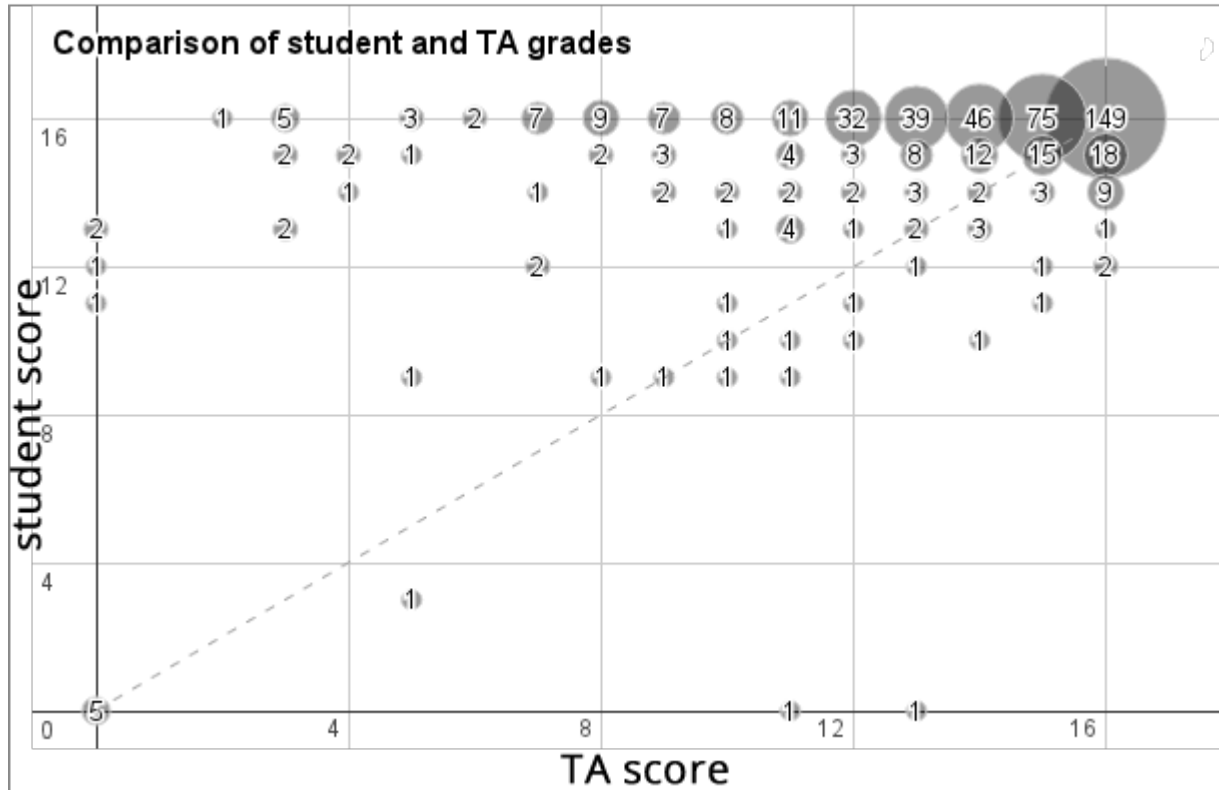


Students watched large portions of accessibility videos.

- Accessibility: 86%
- Mapping: 79%
- Power Searching: 77%
- Advanced Power Searching: 73%

How can we effectively evaluate students' qualitative work at scale?

Advanced Power Searching



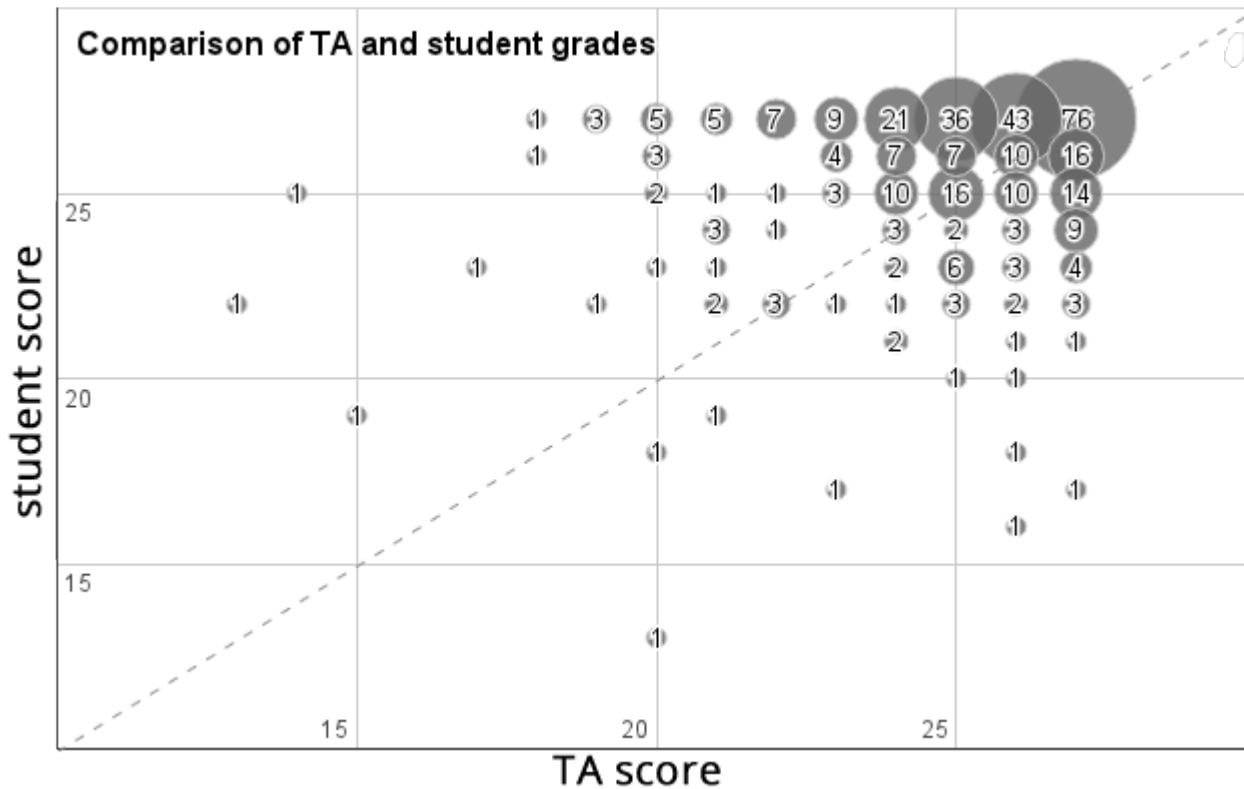
55%

within 1 point of each other

73%

graded at least a B by TAs

Mapping with Google



72%
within 2
points of each
other

94%
scored at
least a B by
TAs

Design implications

- Easier way for students to meet their goals
- Stronger focus on activities than videos
- Shorter, tighter videos when used
- Self-grading is an effective assessment mechanism
- Value in community: student-student



Course Builder

<https://code.google.com/p/course-builder/>

<http://g.co/OpenOnlineEdu>

from Research@Google

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