

Google



_FACILITATION GUIDE

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Made
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JOIN US!

Join us for Google's Made with Code party to learn more about how you can use coding to pursue what you're interested in from art to sports to fashion to medicine to science and everything in between.

Date: _____

Time: _____

Location: _____

Contact: _____

No prior coding experience is needed!

www.madewithcode.com



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Location: _____

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www.madewithcode.com



CONGRATS!

You've just completed your first Google's Made with Code project, and have taken your first step into the world of code. We can't wait to see what you code next!

If you're inspired to try more coding projects, head to www.madewithcode.com for more resources.

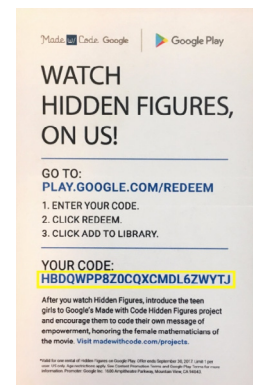
Date: _____

Certified by: _____

INSTRUCTIONS FOR VIEWING THE MOVIE

INSTRUCTIONS TO VIEW ON A COMPUTER:

- 1 Go to play.google.com/redeem
 - **Note:** you will need to sign-in using a Google account. Google accounts are tied to a Gmail email address, like example@gmail.com.
- 2 Enter the code on your card (see the yellow box on the image).
- 3 Click “Redeem.”
- 4 Click “Continue.”
 - *A message might pop-up asking you to enter your payment information. Your account will not be charged, but you must provide credit card or PayPal information to proceed.
- 5 Click “Add to Library.”
- 6 Click “Watch.”
- 7 A video box should appear. Click “Start rental period.” Click the “Full Screen” button in the bottom left corner of the video box.
- 8 Click “Continue.”



Note: These directions are applicable if you are watching the movie on a computer or are watching the movie on a projector or TV screen that are connected to a computer.

INSTRUCTIONS TO VIEW ON AN ANDROID DEVICE:

- 1 Open the device (cell phone or tablet).
- 2 Click “Apps”
- 3 Click “Play Store.”
- 4 Click the button with three lines in the top right corner, next to the words “Google Play.”
- 5 Click “Redeem,” which is towards the bottom of the panel.

- 6 Enter the code on your card (see the yellow box on the image above to locate the code).
- 7 Click “Redeem.”
- 8 Click “Continue.”

*A message might pop-up asking you to enter your payment information. Your account will not be charged, but you must provide credit card or PayPal information to proceed.

- 9 Click “Continue.”
- 10 Click “Confirm.”
- 11 Click “Watch.”
- 12 Click “Ok.”

INSTRUCTIONS TO VIEW ON AN IPAD:

- 1 Open Safari.
- 2 Go to play.google.com/redeem
- 3 Sign in to your Google account. Google accounts are tied to a Gmail email address, like example@gmail.com.
- 4 Enter the code on your card (see the yellow box on the image above to locate the code).
- 5 Click “Redeem.”
- 6 Click “Continue.”

*A message might pop-up asking you to enter your payment information. Your account will not be charged, but you must provide credit card or PayPal information to proceed.

- 7 To view the movie, click “Movies & TV” on the left panel.
- 8 Click “My movies & TV.”
- 9 Click the movie.
- 10 Click “Ok.”
- 11 Sign in to the same Google account you used previously.
- 12 Click “Ok.”

Recommendation: Download the movie ahead of time to make sure it works. Once you start playing the movie, you have 48 hours to finish the movie. If you do not start the movie, then you have 30 days to watch the movie. **The code can only be redeemed once and the movie can only be viewed once.** If you have issues and need an additional code, reach out to NFWL.

EVENT INTRODUCTION SCRIPT

Thank you all for attending our Hidden Figures Viewing and Coding Party. I am honored to be here with you today. My name is **(name)** and I serve as **(elected office)**.

[insert your story about being an elected woman]

We are all here to celebrate how equality can be made with code by showing real examples of women using code and code-powered technology to make an impact and there's no one better than these women in Hidden Figures.

Who's excited? But first, who knows what code is?

- Code is a way for you to tell a story with technology. Just like we speak different languages, English, Spanish, French, there are different programming languages you can use to code in.
- With code you can make fun games, you can collaborate and align it with your interests.
- With code you can build robots, or program spaceships to go to the moon.
- Simply put, code is a tool that lets you write your story with technology.

Google launched Made with Code because they saw firsthand the impact code is having in every industry - and not just what you'd expect. It's in fashion and dance and nonprofits. It's in healthcare and films. And in Space!

But, if women like you learn code, your critical voices will not be left out of the conversation...and we want and need your voices!

Google's Made with Code aims to show you what's possible with code, all by taking your first step.

So, let's watch this amazing film, and after it's done, we'll all take one step in code by coding a statement for equality, all with themes from Hidden Figures.

MOVIE DISCUSSION GUIDE

What was your favorite part about the movie?

What surprised you most about the movie?

What were some of the main themes highlighted in the movie?

Examples/probes:

- Diversity in STEM
- Racism / segregation
- Gender stereotypes
- Equality / Inclusion
- Innovation

What is the main message you take away from the movie?

Examples/probes:

- Being an expert in a field will yield confidence
- Different people with different perspectives bring fresh ideas and approaches to problems
- Stay focused: the women in the movie focused on their goals and didn't let others' insecurities, deficiencies or fears be a distraction
- Strong teamwork will prevail
- Overlook biases so that everyone can flourish and achieve common goals

Who inspired you? Why?

Examples/probes:

- Katherine Johnson's** work enabled John Glenn's orbits around the Earth in 1962
- Dorothy Vaughn** taught herself how to program and operate the computers and her expertise eventually made her indispensable - she insisted that her entire team of African-American workers be given the opportunity to become NASA's first generation of computer programmers
- Mary Jackson** fought for and obtained special permission from the City of Hampton to join her white peers in the classroom and undertake graduate level math and physics
- Al Harrison** advocated for Katherine; removed race-specific restroom signs

Do you think these ladies are STEM superheroes / role models? Why?

Examples/probes:

- Confidence in their capabilities and skills
- Pioneers of the STEM field
- Passion and interest in STEM
- Strong sense of community, support, sisterhood
- Willingness to work with and fight for one another / Strength in the face of adversity
- Advocacy / Activism

What skills did the movie teach us / demonstrate?

Examples/probes:

- Confidence / self advocacy
- Follow passions and interests
- Leadership
- Hard work / persistence
- Team work

How will this movie affect you / other girls wanting to pursue a career in STEM? Why?

Examples/probes:

- The main characters are great role models
- Encourages girls that they can do anything
- Highlights some of the really cool STEM jobs
- Shows that someone who looks like them is great at maths / STEM
- Demonstrates that they can overcome challenges to pursue their dreams

Did this movie inspire you to try or do something that you may not have attempted before?

Examples/probes:

- Try coding or engineering
- Standing up for your beliefs at school
- Standing up for a friend who may not be treated correctly (like how Kevin Costner stood up for black rights)

ADDITIONAL RESOURCES

See this **Teacher's Guide** for the Hidden Figures book, by Margot Lee Shetterly, to help spark additional questions.



HIDDEN FIGURES CODING PROJECT INSTRUCTIONS

To access the coding project, have girls log on to <https://www.madewithcode.com/projects/change/equality/code>

Script:

Team up with someone next to you and open up the Hidden Figures project on madewithcode.com and use Blockly to code a statement for equality.

We'll have about 15 mins to dive into this project.

If you have any issues completing the project, click the “Hint” or “Help” buttons in the top left corner of the coding activity. You can also raise your hand and someone will come by to assist you. But try to use your peers as a resource and code your message of equality together.

WRAP-UP SCRIPT

What did you all think about the coding activity? What message of empowerment did you code and what does that mean to you? It was great walking around the room and seeing all your messages for equality. You all look like coding experts!

If you enjoyed this coding project, Google's Made with Code has many more projects to try. Spend some time on their website and try some of their other projects or watch their mentor videos. Go home or to school and try it at MadewithCode.com - share your messages of empowerment on social media, etc.

I hope you enjoyed both the movie and coding activity. Don't let this experience stop here. There are many more opportunities to break barriers in fields that are still majority women. We have a Certificate of Completion for each of you, as well as these amazing tote bags.

Check out the National Foundation for Women Legislators on Facebook, Twitter, and Instagram using [@electedwomen](https://www.instagram.com/electedwomen) for an event re-cap.

Also, if you are currently a high school junior or senior, the National Foundation for Women Legislators offers a college scholarship essay contest. Visit their website at <http://www.womenlegislators.org/programs/scholarships/> to learn more about the Student Scholarship Program.