Welcome

Featuring Hour of Code puzzles from Code.org®
Family Code Night

POUDRE RIVER PUBLIC LIBRARY DISTRICT | CONNECT TO CURiosity

Cs for ALL

THE WHITE HOUSE
WASHINGTON
To get started:

1. Join the wifi network:

2. Start the program: Go to FamilyCodeNight.org/start. Click the link “Start the program.”

Progress Tracker

Track your progress! Cross off each puzzle number as you go.

1. The Maze
   Coding Concepts: Repeat, Repeat Until, Repeat Sequence, If, If-Else

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2. The Artist
   Coding Concepts: Computer Graphics, Geometry & Degrees, Set Color, Set Width, Creative Time

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What is a Program?
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A Program is a list of instructions you create to tell a computer what to do.
What is a Repeat Loop?
What is a Repeat Loop?

A Repeat Loop repeats any block or blocks you put inside it, as many times as you say.
What is Code Efficiency?
What is Code Efficiency?

Use as few blocks as possible to solve the puzzle (just 5 for this puzzle).
There are no Mistakes in Coding!
There are no Mistakes in Coding!

If your code doesn’t work, no problem! Find out why and fix it! It’s called “debugging.”
What is a Conditional?
What is a **Conditional**?

An “if-then” statement in your code. Conditionals let your code see and react.
What is an If-Else Statement?
What is an If-Else Statement?

An “if-else” statement makes conditionals smarter: if one thing, do this; if not, do something else.
After Tonight!

Code On at Home!

Keep Your Program Card!

Take your Program Card home. Continue from where you left off tonight!
Code On at Home!

1. Continue Tonight’s Program
   Take home your Program Card, and pick up right where you left off tonight! Start at www.FamilyCodeNight.org/Start, click link to go to first puzzle, then navigate to your next puzzle using the line of white dots (top center of each puzzle). Finish “The Maze” puzzles, then tackle “The Artist” at www.FamilyCodeNight.org/StartArtist.

2. Do the Other “Hours of Code”
   There are lots more fun Hour of Code programs from Code.org you can do at home or at school. Play and code with Moana, Minecraft, Star Wars, Frozen and many others. It’s great fun, and you’ll learn new coding every step of the way! Do them all! Find them at https://code.org/learn. If you like, you can create your own account – there’s always more to learn there.

3. Google’s Made With Code, MIT’s Scratch
   Made With Code. There’s a world of fun coding projects at Google’s Made With Code. Our favorite is “Build a Yeti!” (you get to build your own big hairy dancing monster!). Find it here: https://www.madewithcode.com/projects/animation (Click the “Projects” link, upper right, to see other fun Made With Code Projects.)
   Scratch. For older kids ready for the next step, check out MIT’s Scratch programming language for kids. With Scratch, you create a free online account at MIT, then program your own apps, games, stories, animations and more. You can even publish your creations so anyone can see and play with them. It’s all at https://scratch.mit.edu. Click “Join” to set up your account, then explore what’s there (one way to learn: click Create, then click the “Tips” menu, upper left, to learn the basics of this great language).

4. Top 10 Ways Families Can Encourage Girls’ Interest in Computing (from the National Center for Women & Information Technology)
   A great summary of family ideas and fun projects (good for boys too!). Find it here: https://www.acwist.org/resources/top-10-ways-families-can-encourage-girls-interest-computing

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After Tonight!

This Flyer shows you how.
CLICK HERE FOR FIRST PUZZLE

Featuring Hour of Code Puzzles from Code.org

Plus: If you finish early, click here to go to the "The Artist"

...AFTER FAMILY CODE NIGHT...

CLICK HERE: "FAMILY FUN STUFF!"

FAMILY FUN STUFF!
CLICK TO DOWNLOAD ANY FAMILY CODE NIGHT RESOURCES. THEN SIGN UP BELOW TO GET MORE!

Free Coding Play at Home!
© "Big Ideas" for Kids in Coding

Learn coding without a computer
Free resources for your school

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Be sure to join our email list. Lots more free kids' Coding stuff to come! (we never share, never spam)
Family Code Night

Code On!
And Thanks for Coming