



SPARK guide

maps

WHAT'S A MAP?

CITY MAPS

WORLD MAPS

what is S.P.A.R.K.?

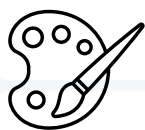
A free project-based curriculum incorporating 5 things we're passionate about:
STEM, Playful projects, Art, Reading, and acts of Kindness



S TEM learning



P layful projects



A rt



R eading



K indness

maps

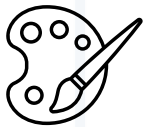
WHAT'S A MAP?



Watch the video **What's a Map + Map Your Home Project**



Map your home



Road printmaking



Choose a book about maps to read together



Walk your street, visit a neighbor



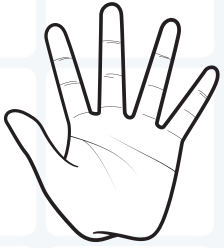
Watch the video

What's a Map + Map Your Home Project



notes

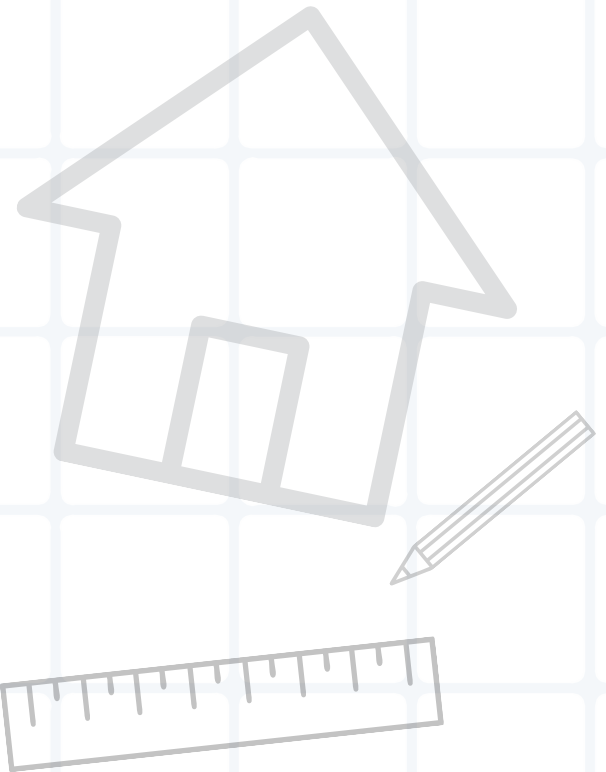




map your home

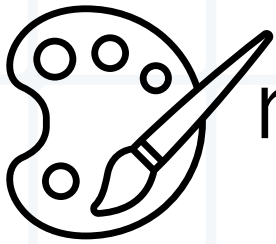
materials

white paper
tracing paper
clipboard
pencil
markers
ruler



directions

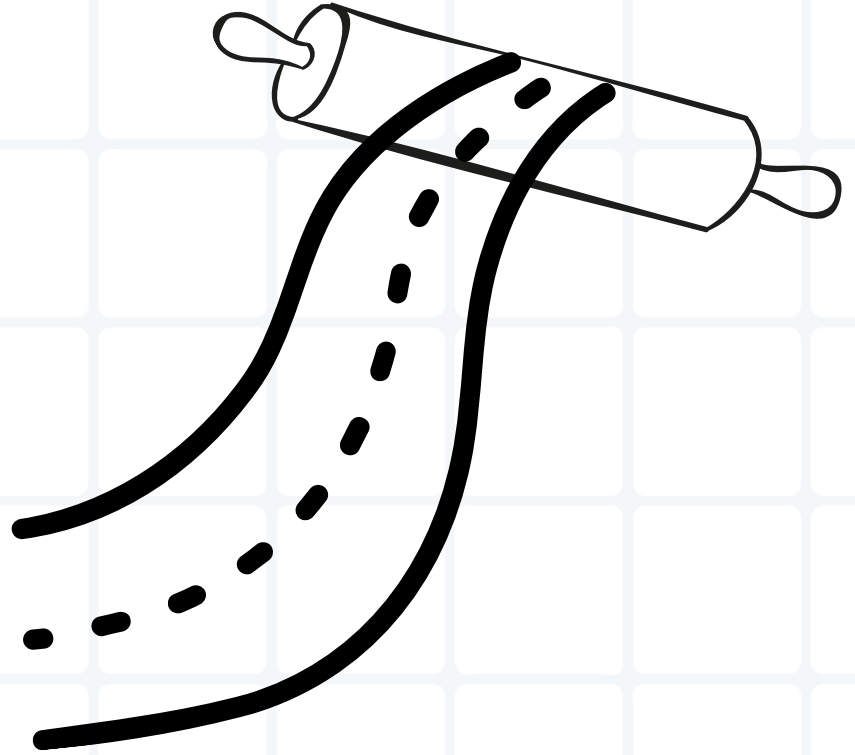
Create a simple top-view sketch of the room you are sitting in. Include shapes to represent furniture and leave room for windows or doors. Add layers of tracing paper to include even more details or to isolate areas of your interior or exterior (example: add a layer for landscaping).



road printmaking

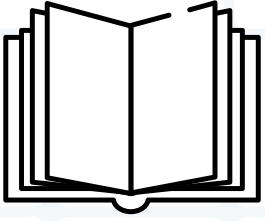
materials

- rolling pin (or cup)
- craft foam
- scissors
- glue
- paper plate
- washable paint
- paint paper



directions

Cut small, similar-sized rectangles from the craft foam and glue to the rolling pin (or cup). Spread a thin layer of paint out onto a paper plate and roll the rolling pin over it. Roll it onto the paint paper to create a roadway.



book list

Home by Carson Ellis

Me on the Map by Joan Sweeney

Follow that Map by Scott Ritchie

Maps by Aleksandra Mizielinska

Pete the Cat and the Treasure Map by James Dean

There's a Map on My Lap by Tish Rabe

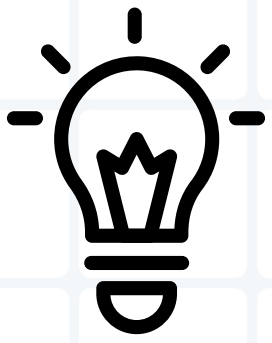
Everything and Everywhere by Marc Martin

Architecture for Kids: Skill-Building Activities for

Budding Architects by Mark Moreno

The Once Upon a Time Map Book by BG Hennessy

National Geographic Kids World Atlas by National Kids



visit a neighbor

Take time this week to walk your street and get to know some of your neighbors better. If you haven't already, you could also try making a simple map of your street, including neighbor's homes and features that make your neighborhood special.



maps

CITY MAPS



Watch the video **How Cities are Made + DIY City Playmap**



Make a city playmap



Design city blocks



Choose a book about cities to read together

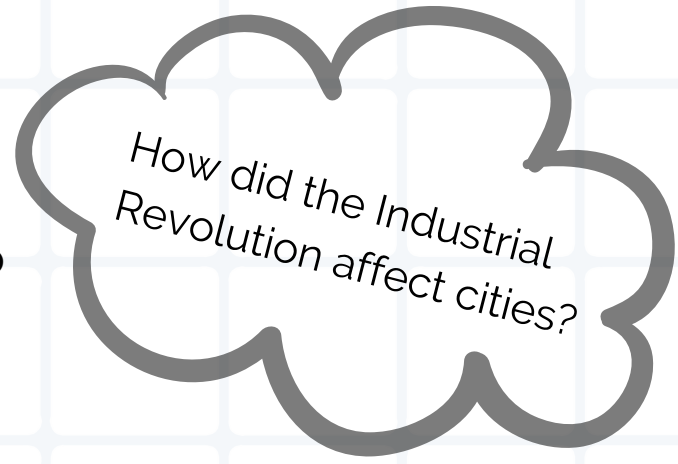


Visit a local business

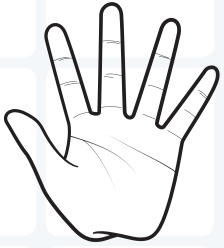


Watch the video

How Cities are Made + DIY City Playmap



notes



make a city playmap

materials

pencil

pen

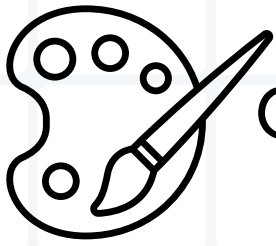
fabric (canvas or
drop cloth material recommended)

Sharpie marker



directions

Pull up a google map view of the city of your choice. Using the map as your reference guide, sketch road lines onto your fabric material. Or if you have a projector, the image could be projected and then traced. Sharpie markers can be used to create thicker lines.



design city blocks

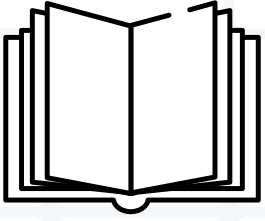
materials

wooden blocks
markers or craft paint
pencil



directions

Sketch details onto your wooden blocks, like windows, doors, brick or panel siding, roofs, etc. Use markers or paint to color. Add your blocks to the playmap to create neighborhoods and cities.



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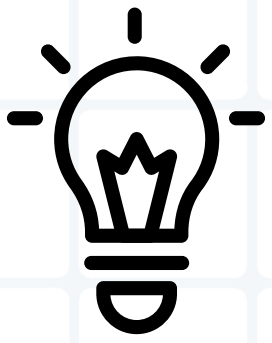
Architecture for Kids: Skill-Building Activities for

Budding Architects by Mark Moreno

The Once Upon a Time Map Book by BG Hennessy

National Geographic Kids World Atlas by National Kids

Shine a Light: In the City by Carron Brown



support a local business

Take some time to patron a local business or restaurant this week. If possible, get to know a worker or the business owner to find out more about how they got started.



maps

WORLD MAPS



Watch the video **Mapping Our World + Stained Glass Map**



Make a stained glass map



Paper Topo map



Choose a book about world maps to read together

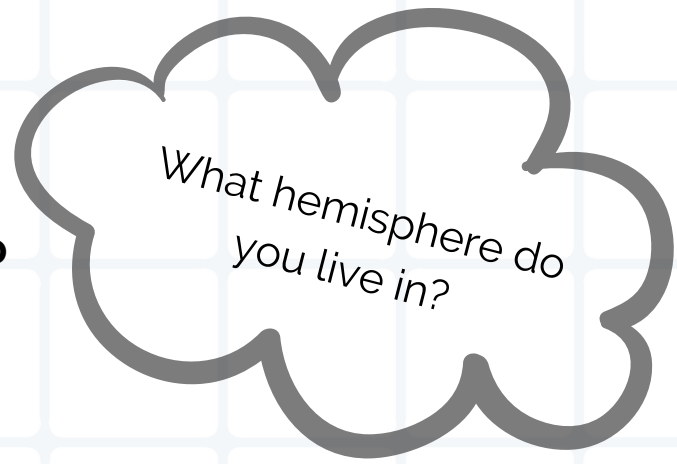


Make a recipe from another part of the world



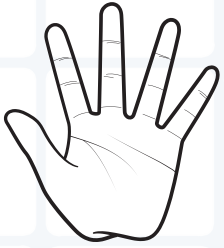
Watch the video

Mapping our World + Stained Glass Map



What hemisphere do you live in?

notes



stained glass map

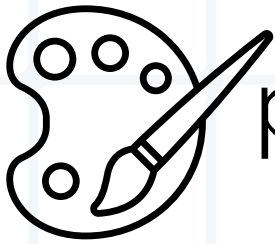
materials

printout of country or continent
white school glue
clear glue
various colors craft acrylic paint including black
paintbrushes
palette or paper plate
piece of glass



directions

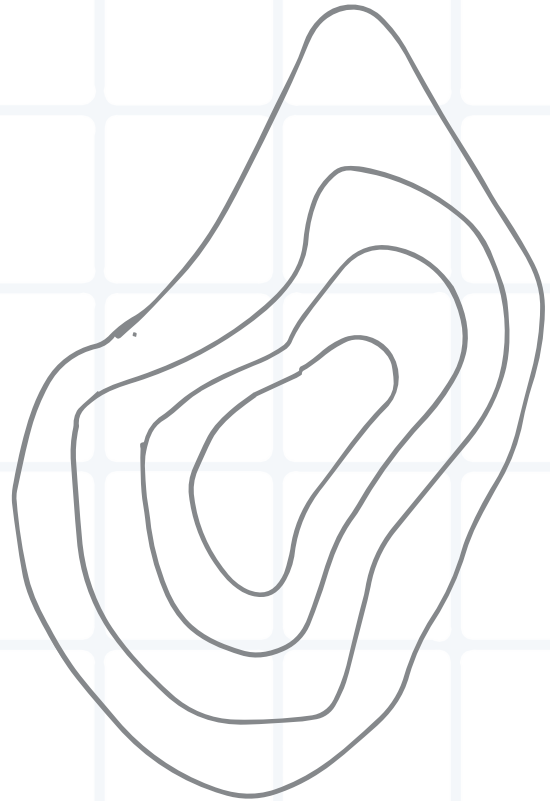
Remove the top of the white school glue and pour some black acrylic paint into the container. Put top of glue back on, stir and shake well to mix. Use the glue tip to gently squeeze out the black outline of your design onto the glass. Allow to dry. Add some clear glue to your paint palette and stir in small amounts of acrylic paint to create your desired colors. Paint lightly onto the glass surface and allow to dry.



paper topo map

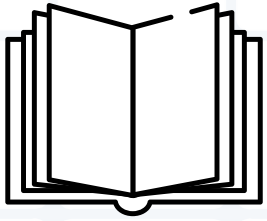
materials

colored construction paper
pencil
scissors
glue
large sheet of white paper
or poster board



directions

Topographical maps distinguish elevation differences of land by using different colors. Cut an oblong shape out of colored construction paper, then continue to cut similar shapes from different colored papers, with each shape being larger than the previous one. Glue together on a large sheet of white paper or poster board.



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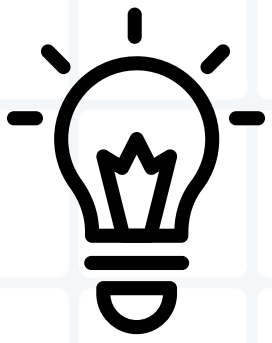
National Geographic Kids World Atlas by National Kids

Cooking Class Global Feast by Deanna Cook

American Girl Around the World Cookbook

by Williams Sonoma

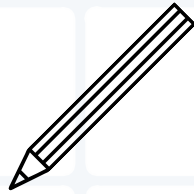
Barefoot Books World Atlas by Nick Crane



make a recipe from another country

A fun way to learn about and appreciate the cultural diversity in our world is through food! Choose a recipe from another country to make together this week.

Shopping List



Recipe

