

Leaps and Logs

A Summer Learning Game





Materials

1. Printed or downloaded gameboard
2. Computer
3. Online challenge tasks (to access links)
4. One six-sided die or [digital dice roller](#)
5. Game pieces (dependent on the number of players)

Tips and Tricks

- To keep track of your progress, keep your game board and pieces in a safe place where they won't be moved or use a pencil to mark where you left off.
- Bookmark the game booklet on your web browser or add the file to your desktop so that you can always find the challenge tasks.
- Don't want to start with the first task on a list? You can pick any challenge task from the category you landed on!



How to Play

Note: This game is designed to be played over the course of the summer. Because many of the challenges take time, you might only make one to two moves per day. Play by yourself or challenge a friend or family member!

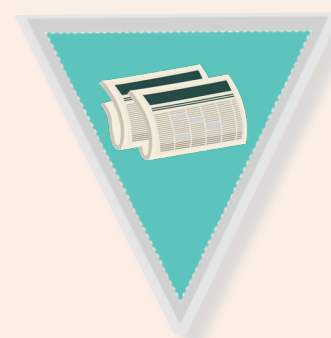
1. All players will begin on the START space.
2. Roll the die and move the number of spaces shown on the die. If you are using the digital dice roller, unselect Dice 2 and Dice 3 to roll one die.
3. Complete a challenge task from the list that matches the space you landed on.
 - If you do not complete the challenge, you must go back to the space where you started before they rolled and your turn is over.
 - If you land on Log Jam, move back to the other side of the log and complete a challenge task from the Log Jam activities.
 - If you land on Leap Across!, move across the rocks and complete a challenge task based on the category found at the end of the rock path.
 - If you are playing with another person, you can both roll and complete your challenges at the same time. Do not continue rolling until the other person has finished their task since some tasks take longer than others.
4. Before rolling again, share what you learned or created with with a family member or friend.
5. Continue playing until you land on the FINISH space.



Challenge Task: English Language Arts

ELA

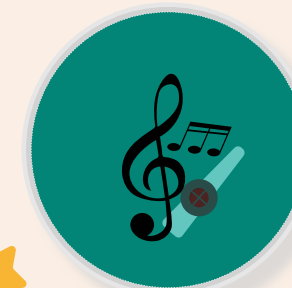
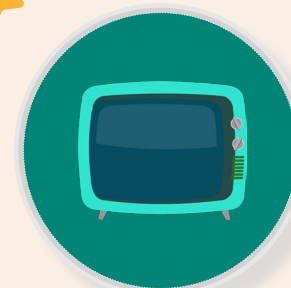
1. **Become a neighborhood reporter.** Use a [template from Microsoft Word](#) to create a newspaper that discusses important events and recent happenings in your home or neighborhood.
2. **Boom! Pow! Design a comic book using Microsoft PowerPoint.** Create your own storyline, characters, and text. To get started, use this [comic template](#) or draw or find images of your own.
3. **Something on your mind?** Read about something you're curious about on [Wonderopolis](#). Use the Immersive Reader tool by selecting "Listen" under the title to help you better understand what you're reading.



Challenge Task: Art, Music, and More

Art, Music, & More

1. **Become a TV chef** by using [Flip](#) to record an engaging video of how to prepare your favorite snack or meal.
2. **Become a movie creator** by [designing a cool stop animation video](#) using Microsoft Powerpoint. Check out [this elaborate example](#) for ideas.
3. **Build your own instrument!** Try out this [Cardboard Tube Kazoo](#) or check out [other instruments that people have made](#).



Challenge Task: Social Studies

Social Studies

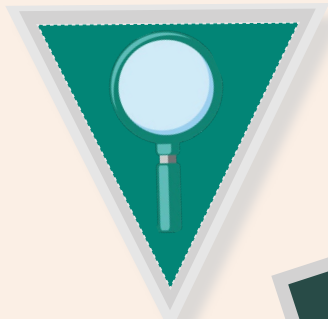
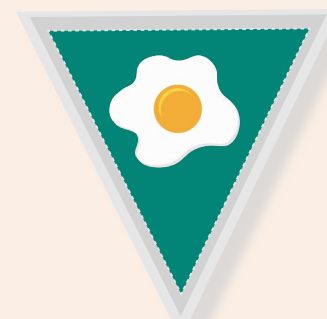
1. **Design the perfect road trip across the United States** by choosing up to three national parks, monuments, or sites to virtually explore in [Bing maps](#). Create a map that shows how far in distance and time it would be to take the trip.
2. **Want to be a lawyer?** Learn about constitutional rights then test your knowledge by trying to run a law firm in iCivics ["Do I Have a Right?"](#) game.
3. **Explore Hispanic heritage** in [Latin Explorers Journey](#) from Minecraft Education. Learn about three Hispanic individuals who have made an impact in the areas of climate, care, and creativity.



Challenge Task: Science Challenge

Science

1. Try your hand at this [Egg Drop Engineering Challenge](#) from the Chicago Museum of Science and Industry. Use a raw or hard boil egg to test if your design can withstand the force of gravity.
2. Grab some sticky notes and complete [this adhesive experiment](#) from the Oregon Museum of Science and Industry. No sticky notes? Use a glue stick and some scraps of paper.
3. **Climate conundrum!** Help the scientists at the University of Manchester save a city from pollution in [this online escape room](#). Decode the clues to help.

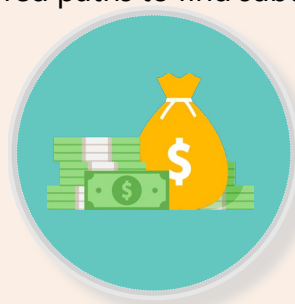


Coding

Challenge Task: Math

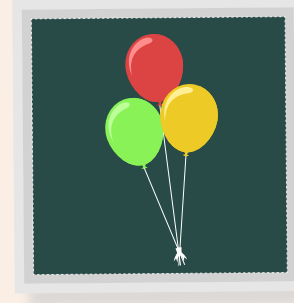
Math

1. **Take your cooking to the next level!** Find out what it's like to bake at a commercial bakery. First, locate a recipe for your favorite baked good. Then convert the recipe to be prepared to sell at least 200 of them. Use [the Fractions app from the Math Learning Center](#) or [Microsoft Math Solver](#) to help you.
2. **Pretend you just won \$5,000!** Plan a vacation. Use this [Microsoft Excel template](#) to create a budget for your trip. Decide where you want to go then search for the cost of hotels, transportation, food, and entertainment. Remember, you can't go over \$5,000!
3. **This next challenge is all about subtraction. Take it away!** Put your subtraction skills to the test as you explore [Subtraction World](#) in Minecraft Education. Follow the colored paths to find subtraction problems and start solving!



Challenge Task: Coding

1. **It's a bee-utiful day for coding!** Create a [garden game](#) using Microsoft MakeCode to collect 4-leaf clovers and avoid the bees!
2. **Shoot for the moon!** Go on a lunar adventure with "Rocket Build" or "Return to the Moon" coding challenge from the [Minecraft Education Artemis Mission](#).
3. **Burst the balloons!** Create a simple [carnival game](#) in Microsoft MakeCode where you click quickly to try to burst a balloon before time runs out.



LOG
JAM!

Log Jam Tasks



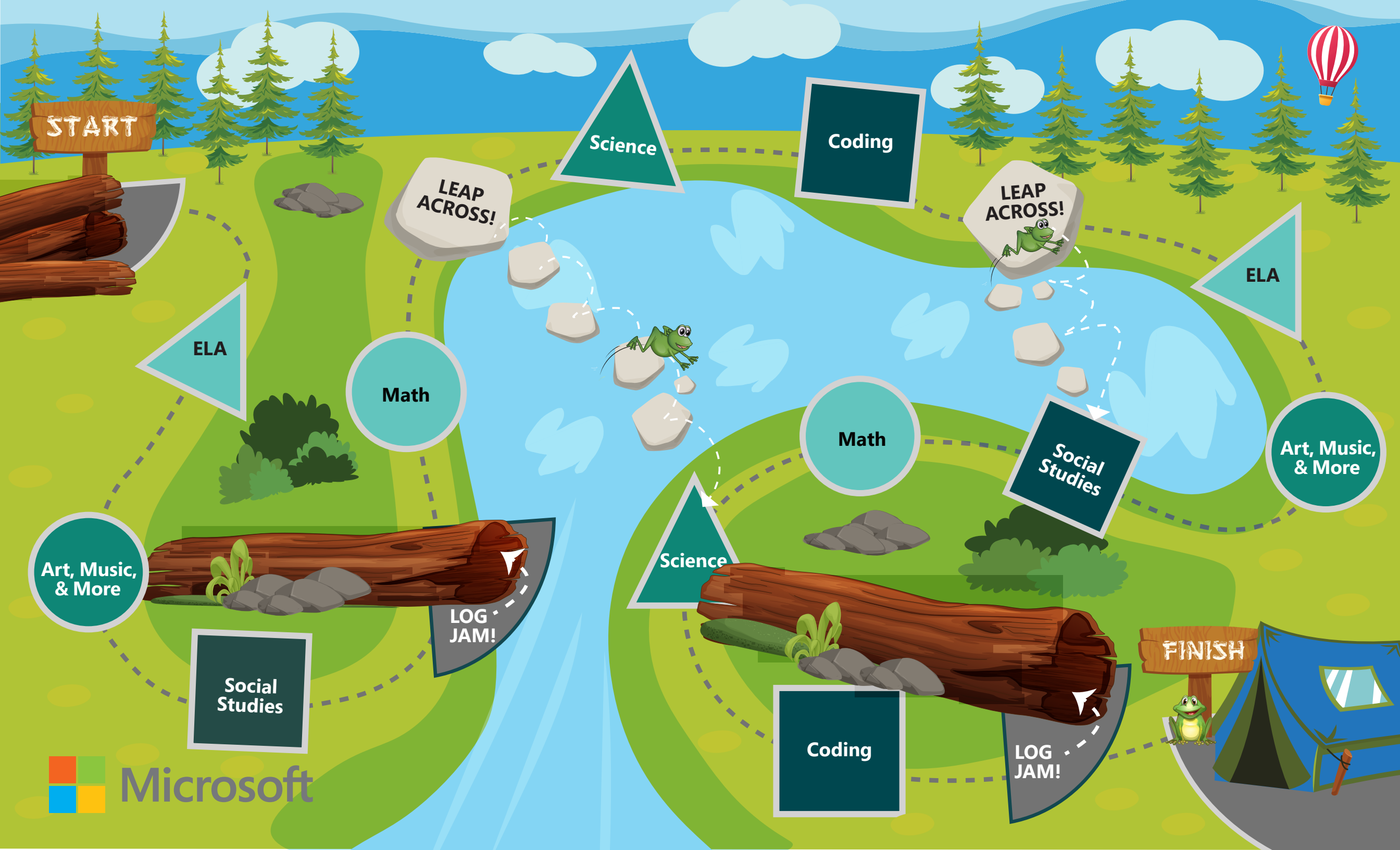
Log in your way?

Complete one of the tasks below before taking your next turn.

1. **Rock on!** [Create a fast-paced maze game](#) to help a rockstar move through a crowded backstage area and collect all their gear in Microsoft MakeCode.
2. **Take charge and learn how to make an impact!** Play any game on [iCivics](#) to learn about the U.S. government, voting, laws, and more.
3. **Code like crazy!** Complete any Skillmap on Microsoft MakeCode to develop your coding skills. Try any [Beginner](#) or [Intermediate](#) maps or complete these [Hour of Code](#) activities.
4. **Can you catch up?** Compare your running speed to breeds of our furry friends in this [Dog Speed Test](#) experiment.



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START

LEAP ACROSS!

Science

Coding

LEAP ACROSS!

ELA

ELA

Math

Math

Social Studies

Art, Music, & More

Art, Music, & More

LOG JAM!

Science

Social Studies

Coding

LOG JAM!

FINISH