



**BOYS & GIRLS CLUB
OF THE OZARKS**

BGCO TO GO

A DAY OF BGCO

AT HOME

10-12 Years Old

Friday

Parents/Guardians:

Boys & Girls Club of the Ozarks: COVID-19 Update

BRANSON – The Boys & Girls Club of the Ozarks (BGCO) is committed to the safety and protection of our members, their families, and Club staff. Club Officials are doing everything possible to keep our Club protected from the spread of COVID-19.

With reports coming in from the Taney County Health Department, Centers for Disease Control and Prevention (CDC), and area Public Schools, BGCO Officials has made the difficult decision to close BGCO Club units beginning at 4:00PM on March 18, 2020. BGCO Club Units include Branson and Forsyth Club Units. The Reeds Spring Unit – operating out of the school district, has already closed. BGCO Club Units will remain closed until April 6, 2020 in conjunction with area schools unless circumstances should change. We will continue to monitor the situation closely.

While we are face-to-face with lots of uncertainty and evolving information regarding COVID-19 (Coronavirus), one thing remains the same, Our Mission – to enable all young people, especially those who need us most, to reach their full potential as productive, caring, responsible citizens.

“Our number one priority is the safety of our children and staff,” said Stoney Hays, CEO. “We did not make this decision lightly as we know that our members and their families are continuing to navigate life, some without employment, many without basic resources, and we are concerned for the well-being of our kids, their families, and our community. We will continue to investigate and offer resources for our members throughout this ordeal.”

The Boys & Girls Club of the Ozarks is committed to meet the needs of our members resulting from a potential prolonged school closure. We are investigating ways to assist Club members and families with services during our closure to include: Virtual Club Programming, Curbside Healthy Meals, and Age Appropriate High-Yield Learning Packets, to name a few. More information regarding these additional services for our members will soon follow.

Club Officials will continue to closely monitor reports from the Taney County Health Department and the CDC and we will continue to update our members and the community at-large with any new information that will affect service to members.

We have some cool activities for you today and we hope you enjoy!



FRIDAY

3/27/2020

10-12 years
old





Today we are going to take a virtual field trip!!

You can do this at <https://www.usatoday.com/story/tech/2020/03/16/social-distancing-free-virtual-tours/5060244002/>

You can you choose which one you go to! Write down or draw what you saw that interested you and tell us why! We encourage you to go to more than one and see all of the interesting things that the website offers!



Designing an App

<https://myfuture.net/programs/Computer-Science/Design-An-App/Brainstorming>

STEP 1

Identify the Challenge

Apps are created for all kinds reasons, but most people use them because they help make a task easier or improve the user's life in some way. Think about what may make your life better.

What are some problems that you face? How can you create an app that would make your Club a better place? Your school?

Brainstorm by yourself or with a group of your friends. Write down any and all of your ideas on notecards or post-it notes. All ideas are good ideas right now. Do you need some ideas on ways you can have fun brainstorming? Watch this video: <https://www.youtube.com/watch?v=yAidvTKX6xM>

Having trouble thinking of ideas in general? Look through apps you already use and make a list of ways you could make them better. Think of things that have bugged you this week. Could the right app have solved your problem?

STEP 2

Narrow It Down

Once you have some ideas written down, there are some things to think about as you choose your top three favorites:

- Remember to keep your ideas simple, and understand that simple ideas are often the most powerful. What does your app really need to do?
- How will your app help someone?
- Who will use your app? Who is the audience? Is it Club members? Or staff? Or the general public?
- Can you explain this idea to someone else?

Take a look at your list of ideas. Are there any that you can eliminate? Look for suggestions that are too complex or that wouldn't appeal to a large audience. Identify your top three favorites.

Step 3

Get Ready to Move Forward

Nothing is set in stone, but based on all the information you have, choose the idea that you would like to move forward to design. If you are working with a group, you might find that you have similar ideas and want to work together.

For your selected idea, make sure you can answer the following questions. It might help to put this information on sticky notes or index cards for later.

- What does the app do?
- Describe your app in 100 words.
- Write out what kinds of components it will have.



SOARING

What animal has hollow bones, lays eggs, can be as small as two inches or as big as nine feet and is thought to be related to dinosaurs?

Answer:



BIRDS!!!!!!!!!!

- Birds have hollow bones, which help them fly.
- Birds have feathers and wings, lay eggs, and are warm blooded.
- Scientists believe that birds evolved from theropod dinosaurs.
- The ostrich is the largest bird in the world. It can grow up to 9 feet tall! It also lays the largest eggs and has the fastest maximum running speed of 45MPH.
- The bee hummingbird is the smallest bird with a length of just two inches.
- Hummingbirds can fly backwards.
- The Arctic tern migrates almost 50,000 miles a year as it flies roundtrip from the Arctic to the Antarctic. What a lucky bird. It has summer twice a year!

- Homing pigeons are bred to find their way home from long distances and have been used

Check out video about how fast an ostrich can run:

<https://www.youtube.com/watch?v=1r-b8uY7C9E>

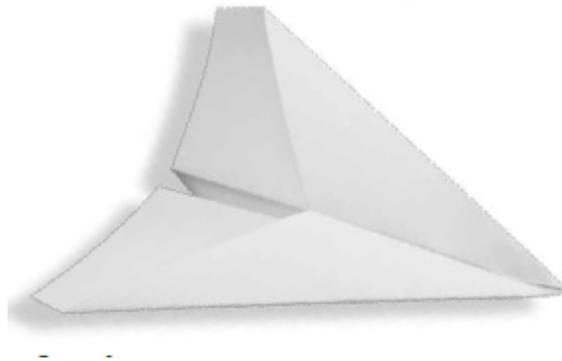
The following features enable birds to fly:

- **Streamlined body:** Helps reduce the force of drag
- **Wings:** Enable the force of lift
- **Lightweight, smooth feathers:** Reduces drag
- **Light, strong bones:** Hollow bones with thin, tiny cross pieces to make strong birds

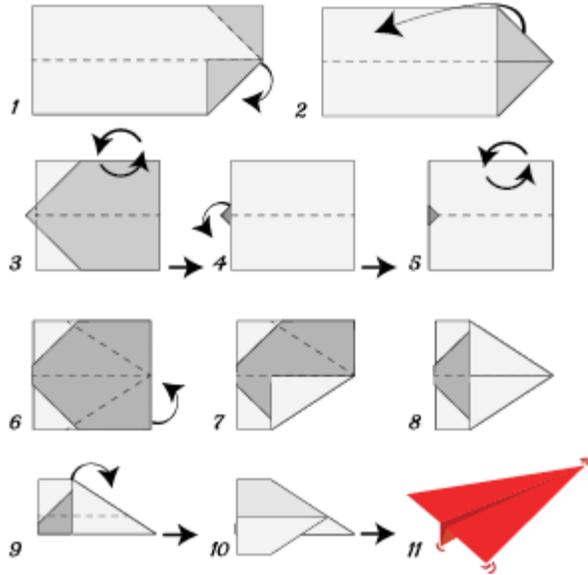
People have always been fascinated by birds because they can fly and how birds inspired the first flying machines.

Activity:

Using the materials around your house, design and create paper airplanes. Once your paper airplanes are made, you are going to test them to see which fly the farthest and which stay up the longest.



Once your paper airplanes are made, find an open space, indoors or outdoors, where you can take turns flying the planes. For each plane, try and measure to determine the distance traveled and use a timer to determine how long it stays in flight.



Use the chart below to record your findings:

Test Number	How Far did it Travel?	How long did it stay in flight?	Notes and Observations

Reflection

Use the following questions to help analyze the results of the experiment:

- What shapes and designs worked the best? Why?
- How do the paper airplanes you designed compare to the shape of actual birds?
- How would you change your designs next time?