This Log Belongs to ______________________

Complete activities in reading, writing, science, art and more to earn badges this summer.

All activities must be completed by July 31.
Everything You Need to Know About Summer Learning

- This year the library is using a new digital platform at [https://henrylibrary.beanstack.org/](https://henrylibrary.beanstack.org/). If you do not have access to the online platform use this form to keep track of your reading and activities. Make sure you fill out the registration form on the next page. You will turn your whole packet into the library during prize pick up weeks. Please call the library before returning your log so we can get your prize package prepared for you.

- You can work on badges one at a time or work on several at the same time. We suggest that you look over your log, find a handful of activities your family will be excited to work on together and start with those.

- Reading to earn any activity badge can also be used to earn your Gold, Silver, or Bronze Reader badges.

- Complete only five of the nine activities suggested to earn each badge. Mark off the activities as you go to help keep track of your progress and stay motivated.

- When you complete a project to earn a badge you can post it on social media if you’d like. Make sure to tag the library and use the hashtag #hcplkyfun.

- The library will be providing special activity kits throughout the summer to help you complete activities. Watch our social media to find out when kits will be available for pick up.

- If your child is not writing words yet, don’t worry. They can draw pictures to tell their stories. They can also tell a story for you to write down or you can allow your child to scribble their words and you can interpret their scribbles. All three ways will help your child get ready to read and write.

- Remember, if you are a student at one of our county’s elementary schools every badge you earn counts in the contest between the schools.

- All activities must be submitted by 3 p.m. on Friday, July 31 in order to be eligible for the prize drawings.

- All prizes can be picked up together during designated Prize Pick Up Weeks, July 20 -July 31. To pick up your prizes you’ll call the library at 845-5682 and answer a few questions. When your prizes are ready the library will give you a call with pick up instructions.
Summer Learning 2020 Registration Form

Name _____________________________________________________

Phone Number __________________________________________________________________________

Age __________ Grade in the Fall ________________________________

School:
___ Early Childhood Education Center  ___ New Castle Elementary
___ Campbellsburg Elementary  ___ Eastern Elementary
___ Eminence Elementary  ___ Homeschool
___ Other

Did you participate in Summer Learning 2019? __ Yes  __ No

The Henry County Public Library has my permission to share information about my child’s participation in Summer Learning 2020 with their school.

________________________________________________________________________________________
Signature of Legal Guardian  ___________________________ Date
Read for 300 minutes to earn your **Bronze Reader** badge. Color in a box for every 20 minutes you read. Any reading counts. When you’ve finished your reading challenge log it into your Beanstack account or bring your log to the library and we will help you take care of that.

Way to Go!
You’ve read one hour.

You've logged two hours of reading!

Congratulations! You’ve earned a Bronze Reader Badge! Keep reading to read your way to silver.

What is your favorite book you’ve read so far this summer and why?
Keep reading to become a Silver Reader. Continue reading and coloring in a box for every 20 minutes you read. When you’ve read another 3 hours you’ll earn your badge and fun prize.

Keep reading to reach your goal

60  40  20

80  100  120

180  160  140

Congratulations! You’ve earned a Silver Reader. We’re so proud of you. Keep reading to read your way to Gold.

You’re amazing! You’ve read a total of five hours.

Who is your favorite book character and what do you like about them?
Keep reading to become a Gold Reader. Continue reading and coloring in a box for every 20 minutes you read. When you reach Gold you will have read a total of nine hours this summer to earn badges and earn prizes. Don’t forget that reading for activity badges counts toward your reading goal.

If you wrote your own book what would it be about?
___Read a non-fiction book about any science topic.
___ Complete any science experiment and fill out a science experiment sheet on the next page. The library will be posting experiments to their social media throughout the summer.
___Take a walk and observe nature. Find something you see that you want to learn more about. Research your topic and create a poster of what you learn.
___Pick up a stem kit at the library on a special STEM Kit pick up day and complete the activity.
___Read a book about a scientist and write a report or create a poster to tell others how the scientists changed the world.
___ Learn about the weather, either from a book or from online research. Create a weather chart to fill it out every day for at least two weeks. See if you can find any patterns in the weather.
___ Create a S.T.E.M. Challenge the whole family can participate in. An example would be having everyone design a different paper airplane and see whose flies the farthest.
___ Write a science fiction or adventure story that includes at least four scientific facts.
___ Build a boat that really floats out of materials you can find at home. Put your boat in a container of water to try it out. Next see how much weight your boat can hold by adding items to it like building bricks or pennies. See if you can improve your boat and try again. When you have perfected your design, draw a picture of your boat and label the parts and materials you used. Don’t forget the add how much weight your boat could hold.

Walking Water Experiment

What You Need:
- Small plastic cups or glasses
- Paper towels
- Liquid food coloring
- Water

What to Do:
1. Place 3, 5, or 7 cups in a row. Pour water into the first cup and every other cup after. If you have 7 you’ll fill up the 1st, 3rd, 5th, and 7th. The fuller the better.
2. Add 5 drops of red food coloring in the first cup and 5 drops of yellow in the third cup. If you have a 5th add 5 drops of blue and a 7th add 5 drops of red.
3. If you have full sheets of paper towels cut them in half. Take your half sheet and fold it in half lengthwise. Fold it in half lengthwise one more time.
4. Place one end of the paper towel in your first glass of water and the other end in the empty glass beside it. Repeat this until there are paper towels between each pair of glasses.
5. Watch and wait. You should see water starting to crawl up the paper towels very soon.
Naked Egg: A Simple Science Experiment to Try at Home

Materials Needed:
A empty glass or jar
An egg
Vinegar

1. Place the egg in your empty glass or jar and cover with vinegar.
2. Watch closely as tiny bubbles form on the shell.
3. Now wait! That’s the hard part. Leave your egg in the vinegar for a full 24 hours.
4. Carefully pour out the old vinegar and cover the egg with fresh vinegar. Put your glass or jar in a safe place for a week. That’s right, a week. This experiment takes some patience. Check on your egg during the week. Look but don’t touch. Pay attention to what is happening with the bubbles and the shell.
5. After seven days, carefully pour out the vinegar and rinse your egg with water. Observe what has happened with your egg. The shell should be gone and the only thing left is a delicate membrane surrounding the white and the yolk.

Why Does This Work?
“The bubbles you saw on the shell are carbon dioxide (CO₂). Vinegar is an acid called acetic acid (CH₃COOH), and white vinegar from the grocery store is usually about 4% acetic acid and 96% water. Eggshells are made up of calcium carbonate (CaCO₃). The acetic acid in the vinegar reacts with the calcium carbonate in the eggshell to make calcium acetate plus water and carbon dioxide that you see as bubbles on the surface of the shell.

The egg looks translucent when you shine a flashlight through it because the hard outside shell is gone. The only part that remains is the thin membrane called a semipermeable membrane.

You might have noticed that the egg got a little bigger after soaking in the vinegar. Here’s what happened… Some of the water in the vinegar solution (remember that household vinegar is 96% water) traveled through the egg’s membrane in an effort to equalize the concentration of water on both sides of the membrane. This flow of water through a semipermeable membrane is called osmosis.

If you take your naked egg and place it in a glass filled with corn syrup, the egg will shrivel. Since corn syrup has a lower concentration of water than an egg does, the water in the egg moves through the membrane and into the corn syrup to equalize the water concentration levels on both sides.” (https://www.stevespanglerscience.com/lab/experiments/naked-egg-experiment/)

-Adapted from Steve Spangler Science
___ Read a book about a community helper and write or draw a thank you note to someone who works hard to keep our community safe.

___ Take a look at the local newspaper, The Henry County Local. See if there’s any pictures of people you recognize. Work one of the fun puzzles on their puzzles page and read an article that interests you.

___ Create an art project to share that will bring joy to others.

___ Practice global citizenship. Fold some origami cranes. Turn your cranes into the library and the library will mail them to be displayed at the Children’s Peace Monument in Hiroshima, Japan.

___ Read a book about someone who helped make their community or the world a better place.

___ Write a letter or email to the library sheep Suzie, Frankie, and George. You can write to one or all of them and they will write back. Their email is librarysheep@henrylibrary.org. The library’s address is 280 East Broadway, Eminence KY 40019.

___ Visit a local park or a local business and write a story about your trip.

___ Create a poster to encourage others to be a good friend.

___ Design a comic strip about Henry County KY. You can use the design on the following page if you would like.
How to Fold an Origami Crane

1. Fold in the dotted lines to meet the center line
2. Fold backward in the dotted lines
3. Fold in half
4. Fold in half
5. Open the pocket from the top
6. Turn over
7. Open and flatten the pocket like Fig. 5
8. Make creases and fold back
9. Lift the corner up and flatten the pocket
10. Turn over
11. Fold and flatten the pocket like Fig. 8 & 9
12. Fold both sides forward
13. Pocket fold
14. Pocket fold the head and open the wings
15. Finished
Origami Crane

Please print out with this paper of drawing, and cut along with the dotted line.
Please refer to the instruction "How to Fold an Origami Crane"
You can use this page to write a letter to the library sheep. You can write to Suzie, George, or Frankie, or you can write to all three. You can leave your letter in your learning log and the sheep with answer your letter when your log is returned to the library.

Dear __________________,

________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________

Sincerely,

__________________
CAN-DO CREATOR

___ Create an arts & crafts project by using recycled materials. You can find the materials around your home or use natural materials you find outside.

___ Read a craft or DIY book that interests you.

___ Get the whole family involved by creating something together. By making together you can create something different and larger than you can create yourself.

___ Pick up an art project kit at the library and complete it. Kits will be available on special kit pick up days. Keep an eye on social media for more information.

___ Write a poem about creating. It could be about creating art through writing, drawing, painting, etc.

___ Study a classic work of art and recreate it using materials you have at home.

___ Try something new. Find a type of craft project you’ve never done before. Try a new art process or use materials you’ve never created with before.

___ Read a book about a writer or artist who has made the world a more colorful place by creating.

___ Host a family dance party and try out some new moves. Create your own for others to try out.

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**Natural Crafts Supplies**

- Sticks
- Leaves
- Rocks
- Dried Flowers
- Shells
- Pinecones
- Seeds
- Acorns

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**CLASSIC ART EXAMPLES**

Starry Night was painted by Vincent van Gogh in 1889. The dreams scene came entirely from his imagination.

The Scream was painted by Edvard Munch in 1893. Munch had been out for a sunset walk when the sunlight turned the clouds red. He said it felt like a scream passing through nature.

Composition with Large Red Plane, Yellow, Black, Gray and Blue was created by Piet Mondrian in 1921. Mondrain is known as a on of the pioneers of 20th-century abstract art.
My Poem About Creating

Brainstorming Questions:

What type of art or creation do I want to write about?

What do I like most about creating something?

What is the hardest part of creating something?

_____________________________________

BY ___________________________
MAGNIFICENTLY MINDFUL

___ Fill out a mood tracker for two weeks. You can use the one we’ve included, download one you like from the internet, or make your own.

___ Stopping to pause and do some deep breathing has many benefits and there are many techniques you can use. Choose a week to practice your deep breathing at least four days.

___ Start a journal to use to write down your observations, feelings, and successes.

___ Create an emotions wheel by filling in each emotions with a picture or colors that make you think about that feeling. You can use your emotion wheel to help you tell others about how you’re feeling.

___ Concentrating on a repetitive art project can help you calm down and practice being more present. Create an art project by painting, coloring, or stamping dots and only dots. It could be a pattern or a representation of a real object, like a turtle.

___ Think of a problem you would like to help solve. It could be a problem in your family, community, or something that is affecting the whole world.

___ Make a list of things you are grateful for. Illustrate your list and share it with others.

___ Put together a calm down jar to use when you are angry and frustrated.

___ Use your 5 senses to write an essay about what is going on around you. Make sure you include them all: seeing, smelling, hearing, tasting, and touching.

Feeling Words for Children

Glad
Sad
Mean
Anxious
Shy
Silly
Hurt
Mad
Afraid
Cheerful
Curious
Crabby
Lonely
Excited
Confused
Scared
Safe
Quiet
Strong
Angry
Small
Playful
Grumpy
Embarrassed
Thankful
Comfortable
Worried
Sassy
Happy
Frustrated
Calm
Delighted
Sorry
Great
Satisfied
My Mood Tracker For

____________________________
(Dates)

A mood tracker encourages you to think about how you’re feeling every day. Fill in your key by writing the emotions you want to represent on your tracker. Choose a color for each emotion. Fill in one book for each day using the color that represents how you’re feeling that day. Make sure you write the date under or inside the book.

MY MOOD TRACKER KEY:

〇 __________  〇 __________  〇 __________
〇 __________  〇 __________  〇 __________
〇 __________  〇 __________  〇 __________
My Emotion Wheel

Use the wheel below to either draw a time when you felt the emotion or with colors and items that make you think of that emotion. You can use your wheel to help you explain to a friend or family member how you’re feeling when you’re having trouble finding the right words.
Create Your Own Calm Down Jar

Calm down jars are a fun way for your little one to slow down, take deep breaths, and focus when dealing with big emotions. There are several ways you can create a calm down jar. Use the ideas below to create a variety of jars for your household.

**Glitter Jar**

**Materials Needed:**
- A clean jar or plastic bottle
- Hot Water
- Glitter Glue
- Food Coloring or Liquid Watercolor
- Glitter

**Instructions:**
1. Fill your jar 1/3 of the way with hot water.
2. Squeeze glitter glue into the water and stir until it is combined.
3. Add about 3 drops of food coloring. Be careful. If you add too much food coloring, you won't be able to see the glitter.
4. Stir in your glitter. You can use a fine glitter or a mixture of chunky and fine. Stir well.
5. Fill your jar the rest of the way with hot water. You will want to leave a little bit of room at the top to allow your mixture to move.

**Tip:** Adding a small amount of baby oil to your jar can make it have a slower moving effect.

**Ocean in a Bottle**

**Materials Needed:**
- Clean bottle or jar
- Funnel
- Baby or cooking oil
- Water
- Food Coloring
- Glitter, Sand, Small Toys, etc.

**Instructions:**
1. Fill your jar or bottle 1/3 to 1/2 full with water.
2. Add food coloring to the water until you reach the color you want. Combining blue and green can create a traditional ocean color. Your child can make their ocean whatever color they desire.
3. If you have optional items like small seashells, glitter, marbles, etc. put them to your water.
4. Fill the remainder of the bottle with oil. Make sure to leave a couple of inches at the top in order to create rolling waves.
5. Screw the lid on tightly. For extra protection from leaks you can secure your lid with duct tape or glue.
Set a goal for Summer Learning 2020 and use this page to keep track of your progress.

**My Goal:** This summer I will earn _____ badges.

Mark each box with an x or a check mark when you earn your reading badges this summer.

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Get Creative
Help Vincent make a masterpiece. Draw whatever you like on his canvas!

Spot the Differences
There are at least 6 differences between the two pictures. Can you find them?

Summer Learning Word Search

S G G G L O B A L H J P R B
H U F O R N N K Q N P M O U
E M A T H O H O T O L B B L
N M R U Y I I I E I S U O C
R E M G R T S M G T E V T O
Y R E M A A S K R A C N S G
C L R O R C E A L C N E O E
O E S V B A E X M T E N S L
U A V I I V D J U I V I U R S
N R P E L B L R O P C J E T
T N G S J N T W G R S U K I
Y I L A B L R C T F L A N
A N X O E S T N I A P Y M G
X G R E E N G O G E T T E R
Y P E L I B O M K O O B L A
E D A N O M E L J F U B N Y

Solve the Maze
Help the HCPL Bookmobile reach Lucy so she can turn in her Summer Learning Logbook and earn her Summer Learning Badges!