

At Home Learning Resources

Grade 3 - Week 9

Content	Time Suggestions
Literacy Instruction (Watch a mini lesson, and/or complete online learning)	10-20 minutes daily
Reading (Read books, watch books read aloud, listen to a book)	At least 20 minutes daily (Could be about science, social studies, etc)
Writing or Word Work or Phonics/Vocabulary	20-30 minutes daily
Math	30 minutes daily
Science	45 minutes per week
Social Studies	30 minutes per week
Arts, Physical Education, or Social Emotional Learning	30 minutes daily

These are some time recommendations for each subject. We know everyone's schedule is different, so do what you can. These times do not need to be in a row/in order, but can be spread throughout the day.

Grade 3 ELA Week 9

Your child can complete any of the activities in weeks 1-8. These can be found on the Lowell Public Schools website: <u>https://www.lowell.k12.ma.us/site/Default.aspx?PageID=3799</u> Activities in weeks 7 & 8 are focused on nonfiction reading and writing and may have resources you can continue to use in Week 9.

This week completes the focus on informational or nonfiction reading and speech writing. Your child should be reading, writing, talking and writing about reading, and working on learning new vocabulary in their reading.

Reading: Students need to read each day. They can read the articles included in this packet and/or read any of the nonfiction/informational books that they have at home, or can access online at Epic Books, Tumblebooks, Raz Kids, or other online books. All resources are on the LPS website. There is something for everyone.

Talking and Writing about Reading: As students are reading, they can think about their reading, then talk about their reading with a family member and/or write about their reading using the prompts/questions included.

Writing: Students will finish working on speeches this week. The resources in this packet are the same as the last two weeks. These resources are charts with examples to help your child write. They are available online in an interactive form with video tutorials here: Grade 3 Speech Writing Choice Board. Click on the images to watch the video tutorials. This writing should happen over multiple days. Students will be planning their writing, then writing, then making it even better by revising, writing some more, and at the end, fixing it up by editing. Your child might write 1 speech and work to refine it throughout, or might write multiple speeches, getting better each time. As the unit ends, your child can deliver their speech to a live audience or record it to share with friends, family, or your child's teacher.

Word Work: Students can work on learning new vocabulary. Students will use clues in the reading and think about what the word might mean. Students can look up words and help them make sense of the new vocabulary. Encourage students to use their new words in conversation.

As you read the texts, stop and jot the facts and opinions in each text. Then write about how your thinking is changing as you learn new information or hear different opinions and reasons.

Facts	Opinions	Changes in Thinking

Ν





Images/Getty Images

American kids, on average, spend nearly seven hours a day staring at screens. Find out what effects that can have.

n a typical day, 9-yearold Leslie Santos spends hours after school playing games on her iPad or watching videos on her laptop. She also regularly does her homework while watching her favorite TV shows. The fourth-grader from Los Angeles, California, says she can't imagine her life without these screens.

"I would be bored all day," Leslie says.

Words to Know

moderation (mod-uhr-AY-shuhn) noun, a reasonable limit or amount excessive (ek-SEHS-ihv) adjective. more than is necessary or normal

Countless other kids in the U.S. also spend much of their free time plugged in to devices with screens. That has many adults worried that screens may be taking over kids' lives.

Screen Overload

Computers, TVs, video-game systems, smartphones—in today's world, it's nearly impossible to avoid screens. In many ways, they make our lives easier. Phones and computers connect us with friends or help us do research for school. In fact, some health experts say relaxing by watching TV or playing Candy Crush Saga is fine in moderation.

The problem is that many kids spend a lot more time on these devices than they should. The American Academy of Pediatrics (AAP) recommends that kids limit their screen time to no more than two hours a day. But on average, American kids spend about seven hours a day in front of screens.

According to the AAP, all that extra screen time can be bad for your health. Some experts think kids who use screens for **excessive** amounts of time can even become addicted to them.

Digital Distractions

Being surrounded by screens can make it hard to focus on one task. In a study last year, researchers

in California observed students as they did their homework. After just two minutes, many kids started surfing the Internet, watching TV, or texting instead of focusing on their work. Experts say that using a lot of digital devices allows you to do many things at once—but none of them well.

"Switching between tasks takes up brainpower," says Dr. Victoria Dunckley. She is a doctor who helps many young people who are struggling with controlling their screen time. "So not only does it take you longer to get the task done, but you do the task with less accuracy," she says.

Screens are such a big part of many kids' lives that they have a hard time shutting down at night. Studies have shown that using digital devices right before bedtime can keep you tossing and turning all night.

"Even small amounts of technology use after sundown tricks the brain into thinking it's daytime and impacts sleep," Dunckley explains.

She adds that it's important to take plenty of screen breaks to allow the brain to rest during the day too. Dunckley suggests that kids use that extra time to be more physically active and to communicate face-to-face with one another instead.

Powering Down

How long could you go without screens? Kids across the country will find out May 5 to 11 during Screen-Free Week. For this event, people pledge to go seven days without any screens they use for entertainment.

Jackson Elementary School in Manitowoc, Wisconsin, held its own screen-free week earlier this year. Sixth-grader Sammie Fidler says that disconnecting from all her digital devices had a lot of benefits.

"I found that I have more connections with my family if I'm not using electronics," Sammie says.



©Christopher Furlong/Getty Images

When does watching TV or videos online stop being OK and start becoming a problem? Ask yourself these questions:

Your Screen Test

Do you feel as if you need to use screens as soon as you wake up or while you're in bed at night?

🗋 Yes 🛛 🗋 No

Do you find screen-free activities, such as playing outside, boring?

🗋 Yes 🛄 No

Do you get mad, annoyed, or depressed when your parents take away your screens?

🖵 Yes 🛛 🗋 No

Do you use screens when you're supposed to be doing your homework or chores?

🗋 Yes 🛄 No

Do you ever hide your screen use from your parents or lie about using screens so you can keep playing a game?

🗋 Yes 🛛 🗋 No

If you answered "Yes" to all or most of these questions, experts say it's time to cut down on your screen time. As you read the texts, stop and jot the facts and opinions in each text. Then write about how your thinking is changing as you learn new information or hear different opinions and reasons.

Facts	Opinions	Changes in Thinking

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The Case Against Soda

Soda. Pop. Soda pop. Whatever you call it, those sugary, fizzy drinks that the world has come to love are not very good for you. Why not?

First, they can cause you to put on the pounds. A typical can of soda (sixteen ounces) contains 207 calories. Drinks are often forgotten as a calorie source, and it's easy to get 500 calories

a day from a couple of cans of soda. That's around one fourth of your daily caloric needs that you don't even notice! And that doesn't give you any nutrition.

Then, they're bad for your teeth. Sugar is known to cause tooth decay. So the more soda you drink, the more likely you'll be spending a lot of quality time with your dentist.

If that's not enough, there are hidden dangers. Soda contains something called phosphoric acid that's what makes it fizzy. Too much phosphoric acid can cause an imbalance of the minerals calcium



and phosphorus in your body. That imbalance is bad for the growth and strength of your bones.

How are kids to make good decisions about what to drink when the soda companies pay their schools to put soda machines right in the hall? That practice may be coming to an end! Several states have passed laws limiting or eliminating vending machines in schools.

Like everything related to food and drink, moderation is best. Having a soda now and then isn't going to hurt you! But several cans of soda every day is not good for your health.

Influential Advertising

Have you ever stopped to think how many places you see advertisements for products to buy, places to visit, or movies to see? Sure, there are plenty of commercials interrupting your favorite TV shows, but you probably don't realize how many other ads you see. Advertising is everywhere, on posters, in our mail, on the Internet, even on the sides of busses.



Advertising abounds on this busy street corner.

But how does

advertising influence us? For one thing, ads make certain products very familiar by showing them to us again and again. For example, there are many brands of soda on the shelves, but if you ask people to name the first two brands that come to mind, 90 percent of them will say Coke and Pepsi, in either order. Why? Because those two companies have spent the most money putting their products in front of us for many years.

Advertisers also influence how we think by giving us reasons to buy their products. For example, an ad's message may be that if you buy a certain product you will look better, smell better, be more fashionable, be more popular, have less to worry about, or have more fun. This may or may not be true, but if the ad makes you think that the product will be good for you in some way, then it has influenced you.

Sometimes advertising can influence us in positive ways. You might learn about new foods that are healthy or about new timesaving technology. You could discover a great place to go on vacation or be influenced to give money to the Red Cross.

Advertising also influences people in negative ways. Beer commercials have led many teens to think it's okay to start drinking alcohol, which is both illegal and dangerous. Advertising also influences people to buy things that they don't really need and cannot afford.

Companies need to advertise to let us know about their products and services. However, we need to make smart decisions and not be influenced too easily by the commercials and print ads we see every day. Use these anchor charts and planning tools to help you write your own speeches. There are a couple of examples to help you too. Watch some kids, just like you deliver their speeches.









Use Boxes and Bullets to plan your writing. Then Put it All together.
Thesis (Claim):
Reason #1:
Reason #2:
Reason #3:

Claim	(Dire mean the strange is) (Dire mean this is a position (b)	Plan your wri pages. Th toge	ting across the en put it all ether.
	(Auditor	son 2 Reason 3	Solution (Here are some infers to help)

you can take out the Not so yummy meal's And fill them in with something yummy . I think this solution will get kid's to cut there hunch wild help them make healthy choise's . This is the food that is yummy and <u>Cun</u> stay,



I have some ideas for how to stop bullying. One idea is that we can look at Yard and see if we see anyone being bullied and if we do, we can get a friend or two friends and go over to stand next to the kid being bullied and say "NO!" to the bully. Maybe you are scared to stand up to bullies. I can understand that. It can be scary. But think about how important it is to stop other kids from getting hurt. You could save a kid from getting teased and picked on. Then you'd be a hero! And if bullies don't stop bullying, they should get in trouble.







Use the Recycling Bins Better!

Are you like me? Do you believe we should take care of the earth? Do you believe in recycling? Because if you do, then you will agree that we should nacycle better at our actual. Our problem is that we have bins for recycling but they aren't used well. We need to get a better system going so kids use the recycling bins well.

One reason this is a problem is that the recycling bins are a mean. We seen candy wrappers, barrane peels, and tissues in these bins, along with the paper. Also I have seen paper with stoples. None of these things belong them.

Another reason we need to do a better job is because we don't know what to neopole. I have beard kids asking, "Does this go in there?" I have thought that too. Last week, I way a kid drop a whole armful of stuff in the recycling bin at the end of the holl. She looked at some stuff bit then just simaged and dropped it all in. I think maybe she wasn't same what could go in.

Linherviewed Pamela, a third-grader at the school. She said, 1 always see staff that deepirt belong in our recycling bin. I think it's a big problem. I don't know what goes in there. Like I'm not sure about Pest-its."

We need to do a better job of recycling. Here are my ideas for how we can do a better job. We can ask the clastodians what can go in the bins and make signs. We can make announcements at lanch and during the norming announcements about what can go in the recycling bins. We can even have an assembly about recycling. The clastodians said they would help us.

My now said recycling is important for the earth. Recycling is reasing things so we don't washe them. We need to do a better job at our school! We can all help. You can obeck that what you put in the recycling bin is skay to recycle and hake stoff out that deesn't belong. This is important. Please help!!!

Don't Drink Bottled Water by Robert

We need to stop drinking bottled water that comes in plastic water bottles! Instead we need to carry water bottles with us, and just refill those water bottles when the water runs out. Plastic water bottles are not good!

One reason we need to stop using plastic water bottles is because they are not good for the earth. Plastic is bad news. It can't break down or go back into the ground. If we use plastic and throw it away, then it just stays there. But I have seen lots of plastic water bottles in cans for regular garbage!

Another reason we need to stop using plastic water bottles is because they take up too much room in the recycling bin. Recycling is good, but the bins get too full with the plastic bottles. There is no room for paper or other things.

I interviewed Grace, a third-grader. She said, "I see plastic water bottles everywhere. They are at my gymnastics class, and at the park, and they are all over school, too. Plastic water bottles are on almost every teacher's desk. When there are parades in town, or Halloween celebrations or anything like that, people leave water bottles all over the place."

I also talked to my mom. She said, "Using plastic is just not good for the earth." She said at her office she has a water fountain that people can use to fill their own water bottles, and it even says how many plastic bottles of water the fountain has stopped people from using. I think we should have a fountain like that here.

So, please get yourself a reusable water bottle and carry it with you. You can refill it. Stop using plastic bottles. It will be better for the earth. Thank you!

IS MY SPEEch Easy to Read?

✓ Do I include end punctuation?	·!?
✓ Do I check that I don't have run-on sentences?	$\overline{i} \partial_{\overline{i}} = 0$
 ✓ When I read the text to myself, does it make sense, seem smooth? 	
✓ Do I use Paragraphs to help me to leave white spaces in my speech?	0 1 1 1 1 1 1 1 1 1 1 1 1 1

When students encounter an unfamiliar word in their reading, they can use the sentence the word is in to try to figure it out. Use this vocabulary sheet when you find a new word. You might need more than one as you are reading different texts.

A new and interesting word:	Words in the book that helped me understand the new word:
A place in the book that helped me une (page or pages and tell why)	derstand the new word:
What I think the new word means:	
Dictionary definition:	
My sentence with the new word:	

Math Grade 3 Week 9 (May 18 - 22) Application Problem #1

Solve the story problems below.



A. Mr. Bee bought 3 jars of honey, which weighed a total of 24 ounces.
 If all the jars weigh the same amount, how much did each jar weigh?
 Sketch the story and solve.

B. Mrs. Bee also bought 24 ounces of honey. She put 3 ounces of honey into several small jars. How many jars did she use? Sketch the story and solve.

C. How are the problems similar?

D. How are the problems different?

Application Problem #2

Directions: Read each problem. Select and record all equations from the equation bank which could be used to solve the problem.

Dan made 2 trays of brownies. Each tray has 8	Equation Bank
brownies. How many brownies does Dan have?	2 x 8 = N
A teacher bought 2 boxes of pencils. Each box holds the same number of pencils. If the teacher bought a	8 x 2 = N
total of 8 pencils, how many pencils are in each box?	2 x N = 8
Sally plants 8 bushes in rows of 2. How many rows will there be?	N x 2 = 8
	N ÷ 2 = 8
Ned needs to buy 8 balloons. They come in packs of 2. How many packs does he need?	N : 8 = 2
Fred can run around the baseball field in 2 minutes.	8 ÷ N = 2
How long will it take him to run around the field 8 times?	8 ÷ 2 = N
A YouTube video lasts 2 minutes. How many videos can Sam watch in 8 minutes?	

True or False

Determine if each statement is True or False and place an X in the appropriate column.

I)	9 x 7 is equal to 52.
2)	4 x 6 is greater than 5 x 5.
3)	3×4 is equal to 6×2 .
4)	8×6 is less than 9×5 .
5)	92 is equal to 9 x 10.
6)	8×9 is greater than 10 $\times 7$.
7)	3×6 is less that 4×5 .
8)	8 x 7 is equal to 7 x 8.
9)	42 is less than 6 x 7.

10) 2 x 2 is greater than 1 x 4.



Computation Problem #1 cont.

Complete each equation by placing <, >, or = in the box.



Computation Problem #2

Use the digits 0-9 just one time. Write them in the boxes below to make each multiplication problem correct.



Determine what number correctly answers both equations.

1) $56 \div 8 =$ _____ **2)** 63 ÷ 7 = ____ **Ex)** $9 \div 1 =$ $\times 1 = 9$ \times 8 = 56 \times 7 = 63 **5)** 35 ÷ 7 = ____ **4)** 20 ÷ 5 = _____ **3)** 32 ÷ 4 = _____ _____×7=35 $\times 4 = 32$ $\times 5 = 20$ 6) $36 \div 4 =$ _____ **7)** 18 ÷ 6 = _____ **8)** 40 ÷ 8 = ____ × 6 = 18 $\times 4 = 36$ $\times 8 = 40$ **9)** 5 ÷ 5 = ____ **10)** 14 ÷ 2 = _____ **11)** 7 ÷ 7 = _____ ____× 2 = 14 \times 7 = 7 × 5 = 5

7 x 2	=	21)	8 x 6	=	
3 x 8	=	22)	7 x 9	=	
4 x 6	=	23)	6 x 7	=	
2 x 9	=	24)	8 x 8	=	
6 x 4	=	25)	6 x 3	=	
8 x 4	=	26)	9 x 6	=	
7 x 5	=	27)	7 x 5	=	
9 x 10	=	28)	8 x 9	=	
6 x 6	=	29)	10 x 7	=	
7 x 3	=	30)	7 x 9	=	
8 x 5	=	31)	6 x 8	=	
0 x 9	=	32)	4 x 7	=	
6 x 10	=	33)	9 x 7	=	
7 x 7	=	34)	6 x 9	=	
9 x 4	=	35)	4 x 8	=	
3 x 9	=	36)	7 x 8	=	
6 x 2	=	37)	9 x 8	=	
9 x 9	=	38)	8 x 7	=	
7 x 6	=	39)	7 x 7	=	
5 x 9	=	40)	8 x 6	=	
	7 x 2 3 x 8 4 x 6 2 x 9 6 x 4 8 x 4 7 x 5 9 x 10 6 x 6 7 x 3 8 x 5 0 x 9 6 x 10 7 x 7 9 x 4 3 x 9 6 x 2 9 x 9 7 x 6 5 x 9	7×2 =	7×2 =21) 3×8 =22) 4×6 =23) 2×9 =24) 6×4 =25) 8×4 =26) 7×5 =27) 9×10 =28) 6×6 =29) 7×3 =30) 8×5 =31) 0×9 =32) 6×10 =33) 7×7 =34) 9×4 =35) 3×9 =36) 6×2 =37) 9×9 =38) 7×6 =39) 5×9 =40)	7×2 =21) 8×6 3×8 =22) 7×9 4×6 =23) 6×7 2×9 =24) 8×8 6×4 =25) 6×3 8×4 =26) 9×6 7×5 =27) 7×5 9×10 =28) 8×9 6×6 =29) 10×7 7×3 =30) 7×9 8×5 =31) 6×8 0×9 =32) 4×7 6×10 =33) 9×7 7×7 =34) 6×9 9×4 =35) 4×8 3×9 =36) 7×8 6×2 =37) 9×8 9×9 =38) 8×7 7×6 =39) 7×7 5×9 =40) 8×6	7×2 =21) 8×6 = 3×8 =22) 7×9 = 4×6 =23) 6×7 = 2×9 =24) 8×8 = 6×4 =25) 6×3 = 8×4 =26) 9×6 = 7×5 =27) 7×5 = 9×10 =28) 8×9 = 6×6 =29) 10×7 = 7×3 =30) 7×9 = 8×5 =31) 6×8 = 0×9 =32) 4×7 = 6×10 =33) 9×7 = 7×7 =34) 6×9 = 9×4 =35) 4×8 = 3×9 =36) 7×8 = 9×9 =38) 8×7 = 7×6 =39) 7×7 = 5×9 =40) 8×6 =

Use the numbers in the center starburst to complete the fact families.



Name: _



1)	8÷2	=	21) 15÷3	=	
2)	5÷1	=	 22) 0÷4	=	
3)	6 ÷ 3	=	 23) 8÷2	=	
4)	12 ÷ 4	=	 24) 12÷4	=	
5)	3÷3	=	25) 5÷5	=	
6)	10 ÷ 2	=	 26) 6÷2	=	
7)	9÷3	=	 27) 8÷4	=	
8)	10 ÷ 5	=	 28) 4÷1	=	
9)	0 ÷ 2	=	 29) 10÷2	=	
10)	4 ÷ 4	=	30) 15÷5	=	
11)	3÷1	=	31) 15÷3	=	
12)	15 ÷ 5	=	32) 4÷2	=	
13)	8÷2	=	33) 3÷3	=	
14)	12 ÷ 3	=	34) 16÷4	=	
15)	16÷4	=	35) 20÷5	=	
16)	5 ÷ 5	=	36) 9÷3	=	
17)	1÷1	=	37) 0÷1	=	
18)	4 ÷ 2	=	38) 20÷4	=	
19)	20 ÷ 5	=	39) 15÷5	=	
20)	12 ÷ 4	=	40) 12÷3	=	

Write each product in the outer ring of the circle.



CHALLENGE SHEET SAFE LANDING

YOUR CHALLENGE

Design and build a way to protect a container so its contents aren't damaged when dropped to the ground.

DEFINE THE NEED

In some situations, the only way for people to get essential supplies like food and medicine is when they are **airdropped** (dropped to the ground from a plane). Can you think of situations when an airdrop might be necessary? The job of an engineer is to make sure that containers of important supplies aren't damaged when dropped from great heights.

BRAINSTORM & DESIGN

You are challenged to build and design a way to protect a Ping Pong ball inside of a cup as it's dropped from a height of at least 1 foot/30 centimeters. Think of the Ping Pong ball as medicine or other important supplies and the cup as your container. To succeed:

- the cup must land upright
- the ball can't fall out
- you can't make a cover for the cup!

Here are some ways an engineer might protect a container that's dropped to the ground.

- Slow the fall with a parachute.
- Cushion the fall with a shock absorber (a device that absorbs shocks and jolts, like the impact of something hitting the ground). Springs and cushions are good shock absorbers.

Brainstorm ways you might use a parachute or shock absorber to protect your cup and ball.

DESIGN squad.



FOR MORE GREAT ACTIVITIES: PBSKIDS.ORG/DESIGNSQUAD

MATERIALS (per person)

- 1 or 2 pieces of cardboard
- 1 small paper or plastic cup
- 1 Ping Pong ball
- scissors
- masking tape
- ruler

You'll need some but not all of these materials:

- a plastic shopping bag
- string
- index cards
- plastic straws
- cotton balls
- rubber bands



SAFF ANDING CONTINUED

BUILD, TEST, EVALUATE, & REDESIGN

- Build your design.
- Test it by dropping your design from a height of 1 foot /30 centimeters.
- Use the ruler to measure the height.
- Observe any problems and redesign if needed.
- Once you're successful, try it from an even greater height.

Problem-Solving Tips

WHAT IF THE CONTAINER . . .

... tips over when it drops? Make sure your design is level when you release it. You can also add a cardboard base under the cup to stabilize it. Make sure the cup is centered on the base.

... bounces instead of landing softly? Add shock absorbers to cushion the fall.





An airdrop of humanitarian aid in Haiti.

ENGINEERING AND INVENTION IN ACTION

When Haiti was hit by a massive earthquake in 2010, it was too dangerous for aid workers to bring in supplies. Instead, thousands of pounds of food and clean water were airdropped to the people on the island.



DESIGN SQUAD GLOBAL is produced by WGBH Boston **F** :



PROJECT FUNDING the Lemelson foundation improving lives through invention

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The DESIGN SQUAD GLOBAL material is based on work supported by the National Science Foundation under Grant No. DRL: 1422236. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundati

Grade 3 - Science



ISUPERVIVENCIA ANIMAL!

Ciencias: Estructura y Función

de los Animales

Nombre:_____

Maestra/o:

https://mass.pbslearningmedia.org/resource/supervivencia-animal-take-the-stage-en-espanol/supervivencia-animal-take-the-stage-en-espanol/support-materials/

INVENTA UN ANIMAL IMAGINARIO, ESCOGE UN AMBIENTE,

CREA DOS ESTRUCTURAS Y FUNCIONES, Y DIBUJALO ABAJO.

NOMBRE DEL ANIMAL	
ESTRUCTURA #1	
Función	Dibuja Tu
ESTRUCTURA #2	Animal Aquí
Función	
	Š

Grade 3 - Science



ANIMAL SURVIVAL!

Science: Structure and Function

Name: _____

Teacher:_____

of Animals

https://mass.pbslearningmedia.org/resource/animal-survival-take-the-stage/animal-survival-take-the-stage/

MAKE UP AN IMAGINARY ANIMAL, CHOOSE AN ENVIRONMENT, CREATE TWO STRUCTURES AND FUNCTIONS, AND DRAW IT BELOW.

ANIMAL NAME Environment	
STRUCTURE #1	- Draw wa
FUNCTION	- Animal Ha
STRUCTURE #2	
Function	-

Grade Three – Social Studies

Settling the Merrimack Valley

So far we've been learning about the native people who lived in the area we now know as Lowell. But when did the European settlers arrive? Much of the early contact between Englishmen and Indians in the early 1600s centered around trading beaver skins and other animal pelts. Conflict grew gradually as more Englishmen arrived and wanted more land for farming and raising livestock. The tribes in the "Penacook Confederacy" were forced out around 1686. Then additional settlers came to the area because of the water power from the Merrimack River. The steep



drop at Pawtucket Falls became a problem for people trying to float logs down the river to the shipbuilding yards in Newburyport. The solution? The first canal! It was built in 1792, to provide a different route around the falls. Later, the Middlesex Canal was built to create a direct water route from Middlesex Village to Boston using a system of locks between the Merrimack and Mystic Rivers.

But what is a lock? Locks were invented to address the problem of waterfalls. Boats can't go over them! A lock is a structure for raising and lowering boats between stretches of water that are at different levels. The boat goes into a chamber with two gate doors. Once the gate doors are closed, water is pumped in if the boat needs to be lifted higher, or released if the boat needs to be lowered. It's like a boat elevator!

Watch this video to see how a lock works: https://www.youtube.com/watch?v=sGCA3XymiFc

And watch this video to see how it operated in the 1800s: https://www.nps.gov/choh/learn/photosmultimedia/multimedia.htm

You can see a working lock for yourself on the Pawtucket Canal by taking a tour at the Lowell National Historical Park.

Locking Through

Pretend your are traveling on the Pawtucket Canal. As you approach the lock, the lock keeper needs your help to lock the boat through. He will operate the right gate and you will operate the left gate.



Number the pictures in the correct order to get your boat through the lock.



https://www.nps.gov/choh/learn/kidsyouth/upload/jr-20ranger-20book-20Oct_2010-20for-20website-2.pdf

ESL at Home 3-5 Weeks 9-10 Use notebook paper to complete these activities. Do one each day!

Monday	Tuesday	Wednesday	Thursday	Friday
Pick a character from a book. Write a message that character would post on social media! Can include pictures!	Use things in your home to create a kind of store (clothing, furniture, etc.). Write what you will sell and what it will cost! Example: Red t-shirt: \$10 Jeans: \$17.99 Gold necklace: \$4.50	Create a cooking show! Choose something to make with your family! Explain the steps of how to make the dish while you are cooking together!	Make a t-chart of your toys that are heavy and toys that are light.	Imagine you were an animal (Example : horse, cow, pig, chicken) that lived on a farm where all the animals could talk. Write and draw about your adventure with your animal friends.
Monday	Tuesday	Wednesday	Thursday	Friday
Find items around your house and create an instrument. Come up with a song and write lyrics to it!	Pick a character from a TV show, movie, or book. Write and describe the character. Example: Batman is wearing black. He is kind because he saves others.	Read a story or chapter aloud to your family, but don't read the end (or what happens next). Have them predict what will happen. Then read it to them and see if they were correct!	Interview your parents or grandparents about what games they played when they were little. Create a venn diagram about how games are similar and different.	List four things in your home that produce light energy . List four things in your home that produce heat energy . List four things in your home that reflect light.