



Friendly - Accountable - Leaders - Cooperative - Organized - Nurturing - Successful

Learning Opportunities for Grade 7 May 4th – 8th, 2020

Do your best to work on these learning opportunities for 2 hours each day. Focus on life skills, physical activity, mental well-being, and social connections as well. Stay healthy, stay safe!

This week, you will have a chance to come into the school to get your belongings, so please look for some things that you need to return to the school such as library or classroom books. You just might have an extra book to read, or some extra notebooks to use, that were hanging out in your locker! Check out the website or Facebook for Mrs. MacDougald's learning tip of the week – keeping all of your materials organized.

EVERY DAY:

30 minutes of reading

30 minutes of physical activity (See the Physical Activity Calendar for ideas!)

ELA/FILA

Twilight Comes Twice

Link to "Twilight Comes Twice" by Ralph Fletcher, read on YouTube:

<https://www.youtube.com/watch?v=QO61nJWWp2I>

Choose one, or all of the lines below, selected from the book and draw an image of what the line means.

1. Twice each day a crack opens between night and day. Twice twilight slips through that crack.

2. Fireflies appear, swimming through the air, writing bright messages in secret code.

3. Slowly dusk pours the syrup of darkness into the forest.

Extension activity: Using the same first words Ralph Fletcher uses for his sentences in Twilight Comes Twice, write a new story.

Garden Idioms

Common Garden Idioms

Apple of my eye	Nip it in the bud	Make a mountain of a molehill
Garden variety	Salad days	Turn over a new leaf
Lead you down the garden path	Seed money	To mend fences
Life is a bowl of cherries	Go to seed	A bee in your bonnet
Let grass grow under your feet	Shake like a leaf	Make a beeline
Small potatoes	Put down roots	Dig deep
The grass is always greener	Reap what you sow	Catch more bees with honey than with vinegar
Kick the bucket	A tough row to hoe	Make hay while the sun shines

1. Do some research (on the web or by asking an adult, or both) to find out what these idioms mean.
2. Choose one. Write a narrative that incorporates 3 or more of these idioms, **or** illustrate 3 or more of these idioms, **or** research the origin of 3 or more of these idioms, **or** create a cartoon that uses 3 or more of these idioms.

Garden Haiku

The haiku is a Japanese verse in three lines. Line one has 5 syllables, line two has 7 syllables and line three has 5 syllables. The 17 syllables are a compressed form which is a piece in praise of nature. Many original books of haiku verse in Japanese are illustrated gracefully in pen and ink sketches which capture the essence of a simple moment in nature. Haiku is a mood piece in which there is no rhyme.

Examples:

Old crow in command Always foraging for food On his daily route	A color riot Lilac bush bursts into bloom A splash of flowers	Ink black night cover A wrapper of soft silence Our way lit with stars	Water slaps the shore Against the white crystal sand Under a hot sun
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Try to **write your own haiku**, with a garden theme.

Line 1 (5 syllables)

Line 2 (7 syllables)

Line 3 (5 syllables)

ENGLISH READING

Article: *Insects Interacting with Plants Play Mighty Roles on Earth for Millennia*

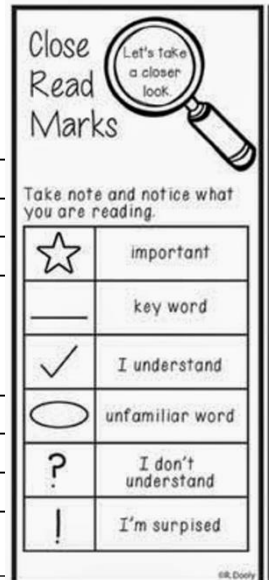
While reading the text, use the annotation bookmark (below) to mark up the text using symbols that guide your thinking and understanding of the text. You should read the text at least twice.

<https://www.tweentribune.com/article/tween78/insects-interacting-plants-play-mighty-roles-earth-millennia/>

Critical Thinking Text Response

Explain why insects are important to our planet.

Explain What we can learn from the relationship between plants and insects



FRENCH READING

Article: *Les Albertains cultivent des potagers durant la pandémie*

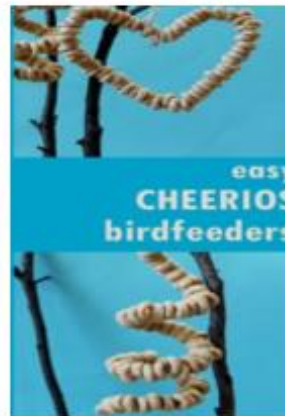
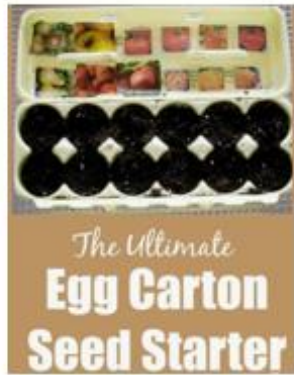
Please read the French article and answer the questions below, thoroughly.

<https://ici.radio-canada.ca/nouvelle/1696790/jardinage-fruit-legume-conseil-ferme-urbaine-coronavirus>

Questions:

1. Pourquoi beaucoup de gens veulent-ils apprendre à cultiver leur propre potager pendant la pandémie?
2. Nomme trois avantages d'avoir un potager à la maison.
3. Maintenant, nomme trois inconvénients d'avoir son propre potager
4. Si tu avais à préparer un potager, comment le ferais-tu? Explique ta réponse en deux paragraphes. Fait un dessin pour montrer à quoi ton potager semblerait.

Optional Outdoor & Gardening Activities



Math

Mental Math Activities

Do two of these questions a day! Remember- in your head, not with a calculator. Explain your strategy and show your work as if you are trying to explain what you are thinking in your head.

Grade 7

Distributive property

$$\frac{3}{4} + \frac{3}{8} = \frac{3}{4} + \frac{1}{4} + \frac{1}{8} = 1\frac{1}{8}$$

1) $\frac{2}{5} + \frac{3}{10} =$

2) $\frac{6}{2} + \frac{1}{4} =$

3) $\frac{5}{3} + \frac{1}{9} =$

4) $\frac{1}{3} + \frac{6}{6} =$

5) $\frac{7}{9} + \frac{1}{18} =$

6) $\frac{2}{4} + \frac{3}{8} =$

7) $\frac{1}{2} + \frac{3}{4} =$

8) $\frac{9}{9} + \frac{1}{3} =$

9) $\frac{2}{3} + \frac{1}{6} =$

10) $\frac{3}{5} + \frac{2}{10} =$



Hey Falcons! Get Outside for Math

Take a walk outside and time yourself with a stopwatch. After, have your parents measure the distance in a vehicle. Calculate your speed. Try it a few times this week and in the weeks to come and see if your speed is improving. Bonus points for getting your family to join you!

Get your Green Thumbs Working; Design a Garden!

Design a garden given one or two specific measurements (i.e., with an area of 36 square meters, or 48) and have them figure out the largest and smallest space it could fit in (perimeter wise). They could also use the flyers to determine cost of fencing to put around, you could give them a measurement of how deep the soil should be and they could calculate volume of soil.



Grade 7- Supplementary Math Activities

Additional Activity 1: Greatest Sum!

With a partner, gather a deck of playing cards, coloured tiles (you can use any small object), paper, and a pencil. Remove the face cards (Jacks, Queens, and Kings) from the deck. Use the remaining cards.

The goal is to get the greatest sum of two integers.

An ace is 1. A red card represents a negative integer; for example, the 10 of diamonds is -10 . A black card represents a positive integer; for example, the ace of spades is $+1$.

How to play:

- Place the cards face down in a pile.
Players take turns to turn over the top 2 cards.
Players use coloured tiles to find the sum.
The player with the greater sum gets 1 point.
- If there is a tie, each player turns over 2 more cards and the player with the greater sum gets 2 points.
- Play continues. The winner is the first player to get 10 points.

Take It Further: Use the same cards. Take turns to turn over 3 cards and find their sum.

Additional Activity 2: What's the Temperature?

You will work with a partner if possible, to solve the problem using the clues below.

First, set up a chart, similar to the one below, to record the temperatures.

Next, take turns reading out the clues and filling in the chart.

The game ends when the chart is filled in completely.

Chart:

	Daily Low	Daily High
Rome		
Oslo		
Orlando		
Calgary		

Problem:

A newspaper listed the daily low and daily high temperatures of four cities: Rome, Orlando, Oslo, and Calgary. The low temperatures (in no particular order) were: -9°C , 16°C , -17°C , and 24°C .

What were the low and high temperatures of each city?

Clues:

Clue 1

Calgary's low temperature was less than 16°C .

Clue 2

Rome's high temperature was greater than 25°C .

Clue 3

Orlando's low temperature was greater than 14°C .

Clue 4

Calgary's high temperature was less than 16°C .

Clue 5

Rome's low temperature was not 24°C .

Clue 6

The difference between Calgary's high and low

Clue 7

Orlando's high temperature was 45°C greater than

Clue 8

Of the four cities, Oslo had the lowest temperature.

Clue 9

The difference between Rome's high temperature and Orlando's low temperature was 6°C .

Clue 10


Oslo's high temperature was 22°C less than Rome's low temperature.

Basic Facts

Have you been practicing your basic facts? The games we have provided each week can be something to do with your siblings or parents. Have you found a great app that helps you? Tell us about it.

This week, choose 3-4 lesser known multiplication math facts to work on by creating multiple card copies. Start with the smallest ones that give you trouble and get those under control. You can do it!

Give the **Multiplication Tic Tac Toe** game a try. After create your own!



Multiplication Tic Tac Toe

Multiply by up to 10x10
a game for 2 players

One player is X's and one is O's. Take turns to answer the multiplication and then place X or O over the multiplication. The first player to create a line of 3 is the winner. The line can go across, down or diagonally.

7x6	7x4	8x9
4x2	10x8	6x3
5x10	8x1	6x7

9x2	8x8	8x4
9x5	10x7	9x9
4x10	6x6	10x3

7x3	9x3	3x10
10x6	9x4	5x5
9x1	8x5	7x7

9x8	10x4	7x10
4x1	8x7	6x5
7x9	8x3	5x8

10x10	9x7	5x3
5x4	7x5	5x7
8x6	4x8	6x4

9x6	4x7	6x7
4x9	7x8	6x9
4x4	7x1	8x4

Vegetable Gardens!

Spring is the time of year where farmers and many households begin to plan their vegetable garden. Did you know that some plants grow better when they are planted together? These plants are often referred to as companion plants.



1. If you were going to plant a garden what ten plants would you include? Are any of your plants companion plants? Are some of your plants incompatible?
2. Using the chart below organize your garden to optimize companionable relationships and minimize incompatible relationships.

PLANTS GROW WELL TOGETHER	BENEFICIAL TO GARDEN IN GENERAL	COMBINATION HELPS BUG CONTROL	CARROTS WILL HAVE GOOD FLAVOR BUT STUNTED ROOTS	DON'T PLANT TOGETHER
BASIL  OREGANO, PEPPERS, TOMATOES, SAGE, THYME	GARLIC  BROCCOLI, CAULIFLOWER, LETTUCE, STRAWBERRY, TOMATOES, THYME, SAGE, BEANS, PEAS	PEPPERS  BASIL, CARROTS, CUCUMBER, OREGANO, PARSLEY, PEAS, ROSEMARY, SQUASH, SWISS CHARD, TOMATOES, SAGE, THYME, BEANS, BROCCOLI, CAULIFLOWER		
BEANS  BROCCOLI, CARROTS, CAULIFLOWER, CORN, CUCUMBER, PEAS, ROSEMARY, STRAWBERRY, SWISS CHARD, TOMATOES, THYME, SAGE, CHIVES, GARLIC, LEEKS, MARIGOLD, ONION, PEPPERS	LEEKES  CARROTS, ONION, SPINACH, SAGE, THYME, BEANS, PEAS	ROSEMARY  BEANS, BROCCOLI, CARROTS, CAULIFLOWER, PEPPERS, SAGE, THYME		
BROCCOLI  BEANS, CARROTS, CHIVES, CUCUMBER, DILL, GARLIC, LETTUCE, NASTURTIUM, ONION, ROSEMARY, SAGE, SPINACH, SWISS CHARD, THYME, OREGANO, PEPPERS, SQUASH, STRAWBERRY, TOMATOES	LETTUCE  BROCCOLI, CARROTS, CAULIFLOWER, CUCUMBER, DILL, GARLIC, ONION, SPINACH, SQUASH, STRAWBERRY, TOMATOES, SAGE, THYME	SAGE  BROCCOLI, CARROTS, CAULIFLOWER, BASIL, BEANS, CHIVES, CILANTRO, CORN, DILL, GARLIC, LEEKS, LETTUCE, MARIGOLD, MELON, NASTURTIUM, ONION, OREGANO, PARSLEY, PEAS, PEPPERS, ROSEMARY, SAGE, SPINACH, SQUASH, STRAWBERRY, SUNFLOWER, SWISS CHARD, THYME, TOMATOES, CUCUMBER		
CARROTS  BEANS, BROCCOLI, CAULIFLOWER, CHIVES, LEEKS, LETTUCE, ONION, PARSLEY, PEAS, PEPPERS, ROSEMARY, SAGE, THYME, TOMATOES, DILL	MARIGOLD  MELON, TOMATOES, SAGE, THYME, SQUASH, BEANS	SPINACH  BROCCOLI, CAULIFLOWER, LEEKS, LETTUCE, PEAS, STRAWBERRY, SAGE, THYME, CILANTRO		
CAULIFLOWER  BEANS, CARROTS, CHIVES, CUCUMBER, DILL, GARLIC, LETTUCE, NASTURTIUM, ONION, ROSEMARY, SAGE, SPINACH, SWISS CHARD, THYME, OREGANO, PEPPERS, SQUASH, STRAWBERRY, TOMATOES	MELON  CORN, MARIGOLD, NASTURTIUM, SQUASH, SUNFLOWER, SAGE, THYME	SQUASH  CORN, LETTUCE, MELON, PEAS, PEPPERS, SAGE, THYME, MARIGOLD, NASTURTIUM, BROCCOLI, CAULIFLOWER		
CHIVES  BROCCOLI, CARROTS, CAULIFLOWER, PARSLEY, TOMATOES, SAGE, THYME, PEAS, BEANS	NASTURTIUM  BROCCOLI, CAULIFLOWER, CUCUMBER, MELON, TOMATOES, SAGE, THYME, SQUASH	STRAWBERRY  BEANS, GARLIC, LETTUCE, ONION, PEAS, SPINACH, THYME, SAGE, BROCCOLI, CAULIFLOWER		
CILANTRO  SAGE, THYME, SPINACH	ONION  BROCCOLI, CARROTS, CAULIFLOWER, CUCUMBER, DILL, LEEKS, LETTUCE, PARSLEY, STRAWBERRY, SWISS CHARD, TOMATOES, SAGE, THYME, BEANS, PEAS	SUNFLOWER  CORN, MELON, SAGE, THYME		
CORN  BEANS, CUCUMBER, DILL, MELON, PARSLEY, PEAS, SQUASH, SUNFLOWER, SAGE, THYME, TOMATOES	OREGANO  BASIL, PEPPERS, BROCCOLI, CAULIFLOWER, SAGE, THYME	SWISS CHARD  BEANS, BROCCOLI, CAULIFLOWER, ONION, PEPPERS, SAGE, THYME		
CUCUMBER  BEANS, BROCCOLI, CAULIFLOWER, CORN, DILL, LETTUCE, NASTURTIUM, ONION, PEAS, PEPPERS, TOMATOES, THYME, SAGE	PARSLEY  CARROTS, CHIVES, CORN, ONION, PEAS, PEPPERS, TOMATOES, SAGE, THYME	THYME  BROCCOLI, CAULIFLOWER, STRAWBERRY, BASIL, BEANS, CARROTS, CHIVES, CILANTRO, CORN, CUCUMBER, DILL, GARLIC, LEEKS, LETTUCE, MARIGOLD, MELON, NASTURTIUM, ONION, OREGANO, PARSLEY, PEAS, PEPPERS, ROSEMARY, SAGE, SPINACH, SQUASH, SUNFLOWER, SWISS CHARD, THYME, TOMATOES		
DILL  BROCCOLI, CAULIFLOWER, CORN, CUCUMBER, LETTUCE, ONION, SAGE, THYME, CARROTS, TOMATOES	PEAS  BEANS, CARROTS, CORN, CUCUMBER, PARSLEY, PEPPERS, SPINACH, SQUASH, STRAWBERRY, SAGE, THYME, CHIVES, GARLIC, LEEKS, ONION	TOMATOES  BASIL, BEANS, CHIVES, CUCUMBER, GARLIC, LETTUCE, MARIGOLD, NASTURTIUM, ONION, PARSLEY, PEPPERS, SAGE, THYME, CARROTS, BROCCOLI, CAULIFLOWER, CORN, DILL		

Science Challenge

Harvest some seeds from the fresh vegetables you have around the house and plant them. Record how well they grow.

Grade 7: Earth's Crust - Soil Composition Activity

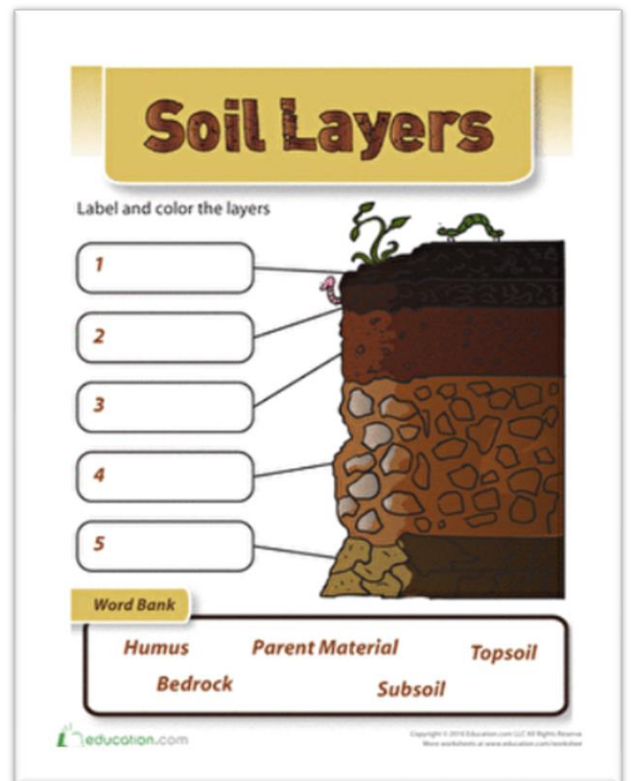
Did you know that soil layers are called soil horizons! Research the different soil horizons, and complete the following:

1st Fill in the table below as you are researching.

2nd Fill in the blanks on the "Soil Layers" sketch.

3rd Create a model with materials at home to represent each layer.

Soil Horizon	Definition	Representation
Humus/Organic Material		
Topsoil		
Subsoil		
Parent Material		
Bedrock		



Follow this link for an example of possible representation model:

<http://blog.learningresources.com/diy-earth-day-edible-soil-layers/>

Draw Your Nature Journal!

Do you like to let your artistic skills shine in all subjects? Do you ever get tired of all the writing we do in school? Give this activity a try. You can work on this every week if you like.



Materials Needed: Blank cards (Don't have any? We have you covered – simply recycle a cereal box by cutting it into 4x6 cards,) pencil, pencil crayons, paints.

ACTIVITY: Take a short walk in a nearby natural area. Choose a plant or animal that you see outside to draw or paint. Be sure to focus strongly on your observation of the chosen plant or animal. Once you have completed the drawing/painting lie down and reflect on what features attracted you to the chosen plants and animals, then record your thoughts on the back of your card or a separate card.

FREQUENCY: Do this activity three times this week – you will then have a collage of drawings that you can add to your journal/notebook that you are keeping for your home learning. Better yet, hang them in your room or give them away to a loved one.

ACTIVITY OPTIONS:

A) Photograph your plant or animal in addition to drawing it.

B) Record questions along with recorded observations.

Social Studies

Hope Blooms

Watch the children of Hope Blooms pitch to the Dragons of Dragon's Den, then answer the questions that follow:

<https://www.cbc.ca/player/play/2418117518>

1. Explain what the children of Hope Blooms pitched to the Dragons:
 - a) What does Hope Blooms sell?
 - b) How much money did they make in one year?
 - c) What do they hope to do with the money from the Dragons?
2. What is a social entrepreneur? (You may be able to infer the meaning of this term from watching or you may have to research this term.)
3. How are the children of Hope Blooms an example of social entrepreneurs?

Investigate the Hope Blooms website.

1. Read through the "Impact" section. <https://hopeblooms.ca/impact/> What are three ways that Hope Blooms has had an impact on the community?
2. Read through the "Community Programs" section. <https://hopeblooms.ca/programs/> Explain any one of the six types of programs that are available in the Hope Blooms community.

Optional Extension activity: Try one of their recipes. <https://hopeblooms.ca/recipes/>

Victory Gardens

Read the following article on victory gardens and answer the questions that follow:

<https://thecanadianencyclopedia.ca/en/article/victory-gardens-editorial>

1. What is a victory garden?
2. Why did people plant victory gardens?
3. List 5 examples of veggies that would have been grown in WWI victory gardens.
4. Besides WWI, when were victory gardens used?

Read the following article about modern victory gardens.

<https://www.cbc.ca/news/canada/newfoundland-labrador/anide-bulman-growing-food-indoors-during-the-pandemic-1.5524799> Why would someone want to plant a victory garden today?

Extension possibilities:

- A) Research victory gardens for saving the bees
- B) Research victory gardens for furthering sustainable development goals

Other Activities/Links

Khan Academy <https://www.khanacademy.org/>, also in FRENCH <https://fr.khanacademy.org/>

(This is an excellent resource for mathematics, as well as higher level sciences. It includes free expert- created lessons with quizzes that have a 'game' format where you can earn points.)

Interested in science? Check out <https://www.nasa.gov/nasa-at-home-for-kids-and-families>

Check out the **Florenceville Middle Home and School Facebook page** for weekly challenges to get our Falcons interacting! Also, find daily science, technology, engineering and math challenges at the **Brilliant Labs Facebook Page**

FREE book in English and French, both e-book and audiobooks! Go to <https://Soraapp.com>, type **NB** in the "find my school" field, then select "New Brunswick Department of Education and Childhood Development." Use your school username and password to sign in!

FMS Learning Opportunities for the week of May 4-8, 2020

Monday	Tuesday	Wednesday	Thursday	Friday
<ul style="list-style-type: none"> ✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal 	<ul style="list-style-type: none"> ✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal 	<ul style="list-style-type: none"> ✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal 	<ul style="list-style-type: none"> ✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal 	<ul style="list-style-type: none"> ✓ Read 30 minutes ✓ Physical Activity ✓ Math Facts ✓ Mental Math ✓ Daily Writing ✓ Nature Journal

Weekly Activities

Grade 6	Grade 7	Grade 8
<ul style="list-style-type: none"> ✓ Article "Twilight Comes Twice" ✓ Garden Idioms ✓ Garden Haiku ✓ English Reading <i>Article: Should All Children Get an Outdoor Education?</i> ✓ French Reading <i>Article: Great Pumpkins! Grower Wins Trifecta of Giant Food Titles</i> ✓ How fast can you walk? ✓ Design a garden ✓ Order of Operations ✓ Look out for Angles! ✓ Multiplication Tic Tac toe ✓ Plan your Veggie Garden ✓ Science Challenge ✓ Food Web ✓ Draw your Nature Journal ✓ Hope Blooms Video & Questions ✓ Victory Garden Article 	<ul style="list-style-type: none"> ✓ Article "Twilight Comes Twice" ✓ Garden Idioms ✓ Garden Haiku ✓ English Reading <i>Article: Insects Interacting with Plants Play Mighty Roles on Earth for Millennia</i> ✓ French Reading <i>Article: Les Albertains cultivent des potagers durant la pandémie</i> ✓ How fast can you walk? ✓ Design a garden ✓ Greatest Sum! ✓ What's the temperature? ✓ Multiplication Tic Tac toe ✓ Plan your Veggie Garden ✓ Science Challenge ✓ Earth's Crust: Soil Composition Activity ✓ Draw your Nature Journal ✓ Hope Blooms Video & Questions ✓ Victory Garden Article 	<ul style="list-style-type: none"> ✓ Article "Twilight Comes Twice" ✓ Garden Idioms ✓ Garden Haiku ✓ English Reading <i>Article: Urban Students Grow Food at Los Angeles School Garden</i> ✓ French Reading <i>Article: Great Pumpkins! Grower Wins Trifecta of Giant Food Titles</i> ✓ How fast can you walk? ✓ Design a garden ✓ Integer Racing ✓ From One to Ten Challenge ✓ Multiplication Tic Tac toe ✓ Plan your Veggie Garden ✓ Science Challenge ✓ Plant Cell Model Activity ✓ Draw your Nature Journal ✓ Hope Blooms Video & Questions ✓ Victory Garden Article

Other Activities

- ✓
- ✓
- ✓