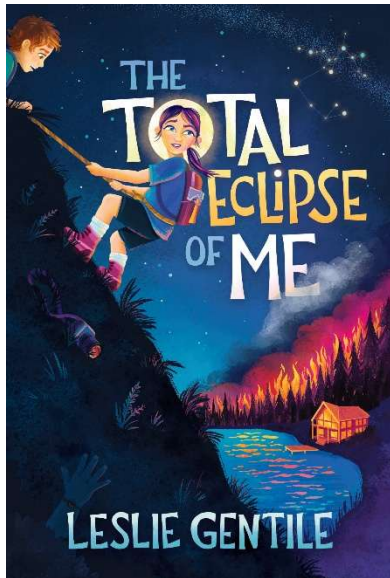




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One & Done Classroom

Activities and Resources For Teachers

The Total Eclipse of Me

By Leslie Gentile

This PDF includes some quick & easy activities that can be used in the classroom to support various science curriculum areas with the novel *The Total Eclipse of Me*. I've also included some links to some great web resources.

Contents:

Bats:

Bats: Lov 'Em or Leave 'Em

Bat Maze: Help the Bat Get Home! (2 levels of difficulty)

Bats Myths: True or False?

More resources:

<https://bcbats.ca/resources/teachers/>

<https://cwf-fcf.org/en/explore/resources/webinars/school/all-about-bats.html>

Astronomy:

Draw Your Own Constellation

Astronomy in The Classroom including a Printable Star Wheel

Indigenous Knowledge:

The 13 Moons

American Sign Language:

ASL Sign Language Chart and Activity

Vocabulary:

Word Search



Bats! Love ‘em or Leave ‘em?

When we meet Halley, we discover that she is terrified of bats. I know just how she feels! When I began to write *The Total Eclipse of Me*, I was a little creeped out by them. But once I started to do some bat research for the book, I discovered that they’re actually pretty interesting critters. Learning about bats actually helped me change my mind! So now, I’m in the ‘Love ‘Em’ camp.

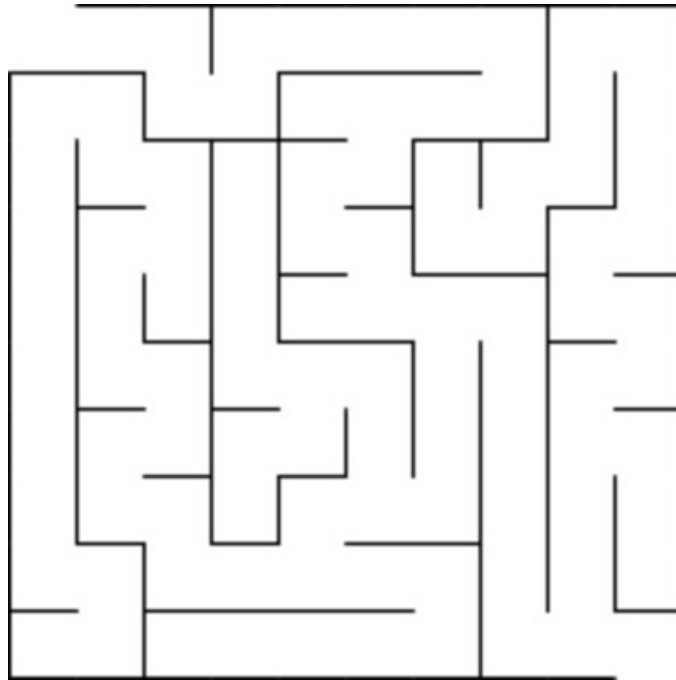
And I learned an important lesson along the way: Don’t make up your mind about something until you learn all about it! Then you can make what’s called ‘an informed decision’.

Here’s an activity you can do to see where you stand on bats:

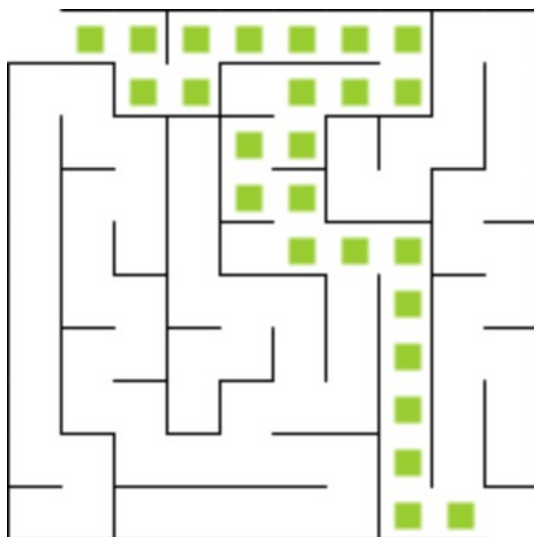
1. How do you feel about bats? Be honest! Take a class or group poll to see how everyone feels about bats.
2. Go to your school or community library and find some books on bats.
3. Learn at least two interesting Bat Facts to share with the group or class.
4. Reassess: has your opinion on bats changed? Poll the class or group again to see if anyone else’s opinions have changed about bats. Were you able to make a more ‘informed decision’ about bats?

Maze: Help the Lost Bat Get Home!

See if you can find your way through the maze to
get the bat home to his bat house!



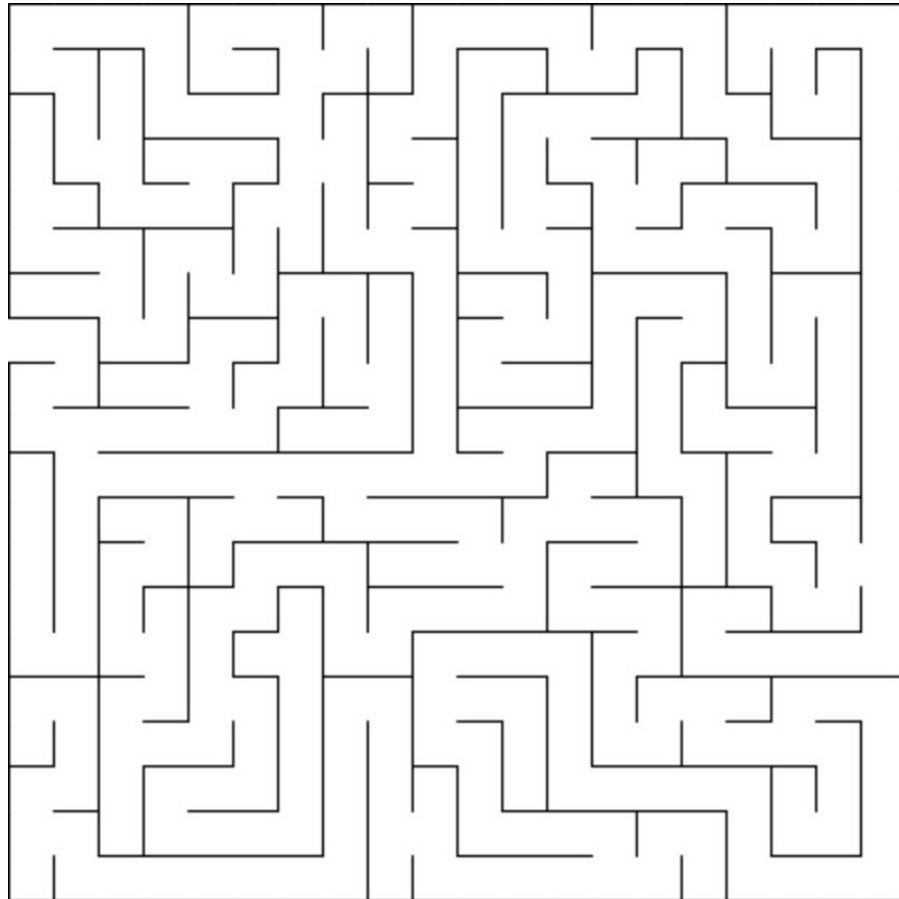
Answer key:



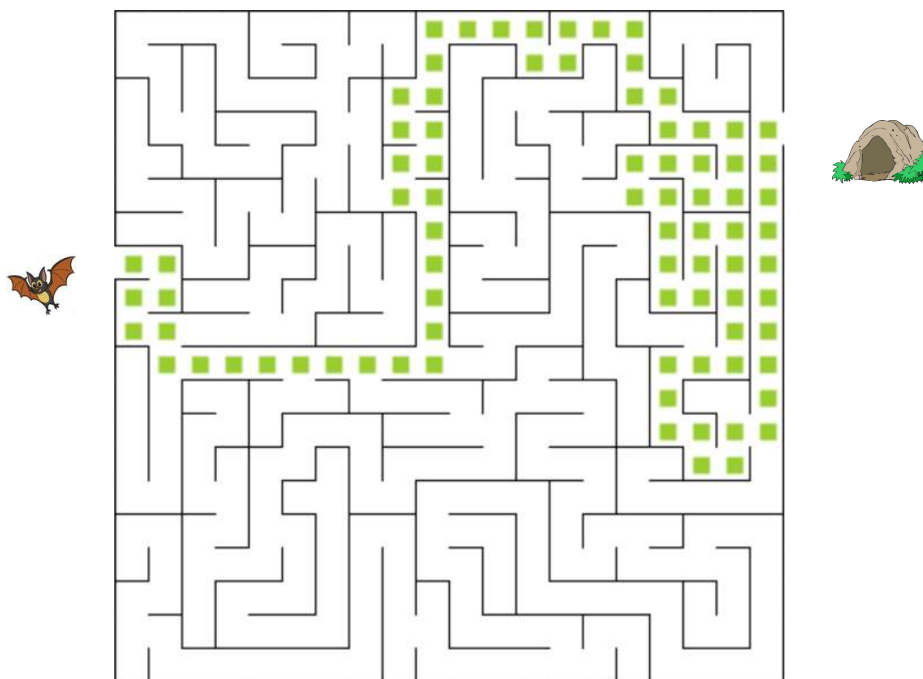


Help the Lost Bat Get Home!

See if you can find your way through the maze to get the bat home to his bat house!



Answer key





Bat Myths: True or False

Bats are one of the most misunderstood critters around. There are lots of myths and misinformation floating around about them, making it harder for them to survive. Take the quiz and test your bat facts! Then check the answers to see how you fared.

	True	False
1. Bats are blind	☐	☐
2. Bat babies are called pups	☐	☐
3. Bats are pests	☐	☐
4. Bats are dangerous to humans	☐	☐
5. Bat wings are like the human hand	☐	☐
6. Bats are the only flying mammal	☐	☐
7. Bats can fly up to 100 mph/160 kph	☐	☐
8. All bats carry rabies	☐	☐

Bat Myths: Check Your Score!

1. False! Bats are not blind! The idea that bats are blind is a common myth. Most bats have good eyesight that is great in low-light conditions. In total darkness, they rely on sound. This nifty navigation system is called echolocation. Bats send out sound waves of sound from their mouths or noses, which bounce off their surroundings right back to their ears. By listening to the echoes, bats can build up a picture of exactly what's around them – including juicy insects!
2. True! Baby bats really are called pups! A group of bats is called a colony.
3. False! Just the opposite — bats are amazingly helpful. According to Parks Canada the bats in Canada are insect-eaters and can devour half their weight in insects in a single night of hunting. They act as a natural form of pest control for agricultural and forestry all over the world. We can also thank bats for limiting the number of mosquitoes!
4. True! A bat's wing resembles a modified human hand — imagine the skin between your fingers larger, thinner and stretched. This flexible skin membrane that extends between each long finger bone and many movable joints make bats agile fliers.
5. False! Bats are not dangerous to people and will not intentionally attack people or other animals. Like all wildlife, they should be left alone and not handled. A bat on the ground is more likely to be sick and should not be touched.
6. True! Bats are mammals and they are the only mammals that can fly!
7. True! Brazilian free-tailed bats fly at speeds up to 160 kilometers (99.42 miles) per hour in level flight. The average bat speed is much slower: Little Brown Bats cruise at 12 kmph and get up to 22 kmph.
8. False! Actually, 1 to 4 % of all bats carry rabies. However, it is wise to get checked if you come into contact with a bat. Better safe than sorry!

Astronomy in The Classroom

The Canadian Space Agency has some useful resources on their website for incorporating astronomy and space into your classroom. They have great information on Lunar Eclipses here:

<https://www.asc-csa.gc.ca/eng/astronomy/eclipses/lunar-eclipses.asp>

There are more great resources here:

<https://www.asc-csa.gc.ca/eng/youth-educators/>

The NASA website has a Moon Observation Journal for kids, found here:

<https://science.nasa.gov/resource/moon-observation-journal/>

Here are more great resources for teachers here, including a recipe for Constellation Cookies!

<https://www.rasc.ca/classroom-help>

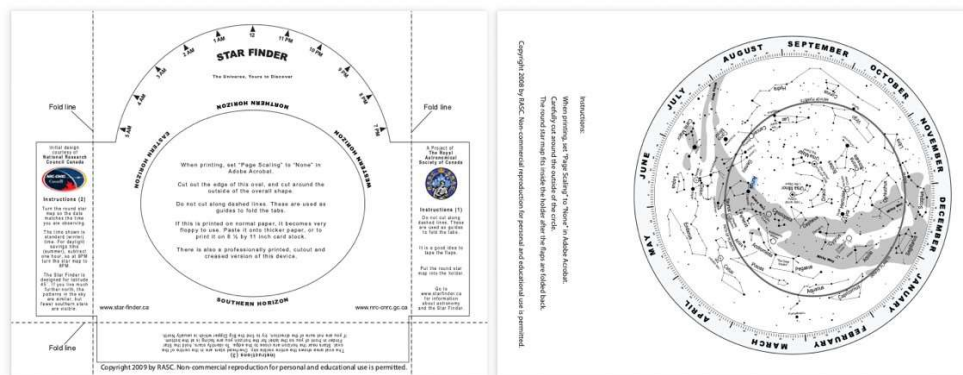
<https://www.rasc.ca/classroom-activities>

The Canadian Space Agency has a printable PDF of a Star Finder that students can print, cut out and use to learn what to see in the night sky.

<https://www.asc-csa.gc.ca/eng/multimedia/search/image/16558>

The Royal Astronomical Society of Canada offers the same, with a French version as well as an English version.

<https://www.rasc.ca/star-finder/print>



The 13 Moons

In *The Total Eclipse of Me*, Jacob explains the concept of the 13 Moons from the W̱SÁNEĆ Nation. “Based on the sacred interconnectedness of all things, the observation of the 13 moons is part of W̱SÁNEĆ natural law. Each of the 13 moons provides guidance as to what cultural and economic activities are best suited for the time of year, as well as what weather to expect and what food is most abundant.”

<https://wsanec.com/ninene-the-moon-of-the-child-january/>

More about the 13 Moons can be found here:

<https://racerocks.ca/the-13-moons-of-the-wsanec/>

Many Indigenous cultures across North America share similar 13 Moon beliefs, and you can find some great information here:

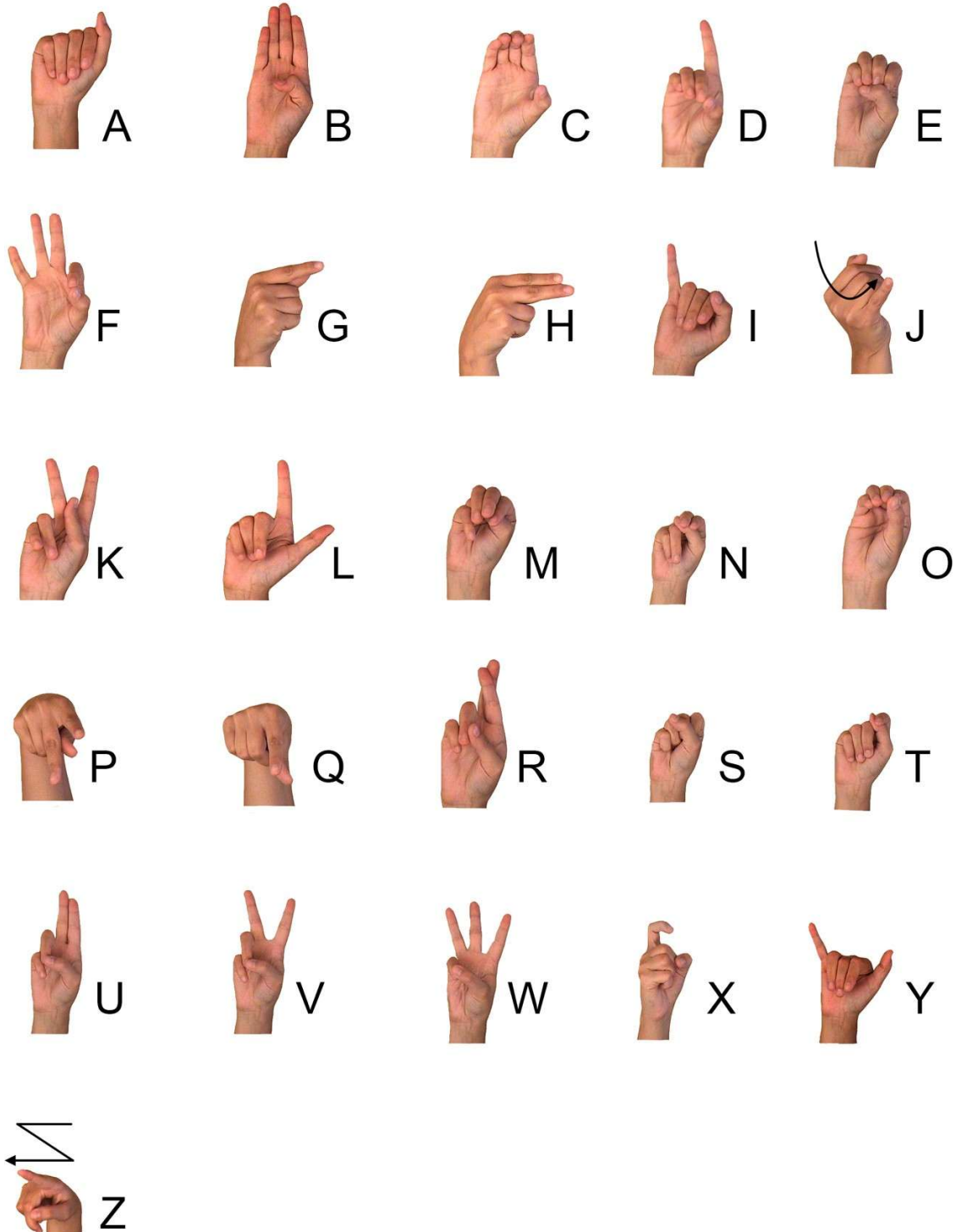
<https://www.asc-csa.gc.ca/eng/youth-educators/indigenous-moon.asp>

<https://www.asc-csa.gc.ca/eng/youth-educators/indigenous-ways-of-knowing.asp>

American Sign Language

In *The Total Eclipse of Me* we meet Leo's mom Bev, who is hard of hearing. (That means she has some hearing). She "reads lips", or watches people's mouths as they speak to understand what they are saying. Many deaf people use American Sign Language or ASL to communicate. Here is the alphabet chart. See if you can learn the alphabet and then spell your name!

American Sign Language Alphabet



The Total Eclipse of Me Word Search

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

Operation stargazer

constellations

lunar eclipse

bearded dragon

star cluster

back country

circumpolar

Faraday Cage

binoculars

forest fire

paddle-board

astronomy

sanctuary

wilderness

invisible

Ursa Major

lightning

paramedic

telescope

musician

thunder

galaxy

asterism

guitar

allergy

concert