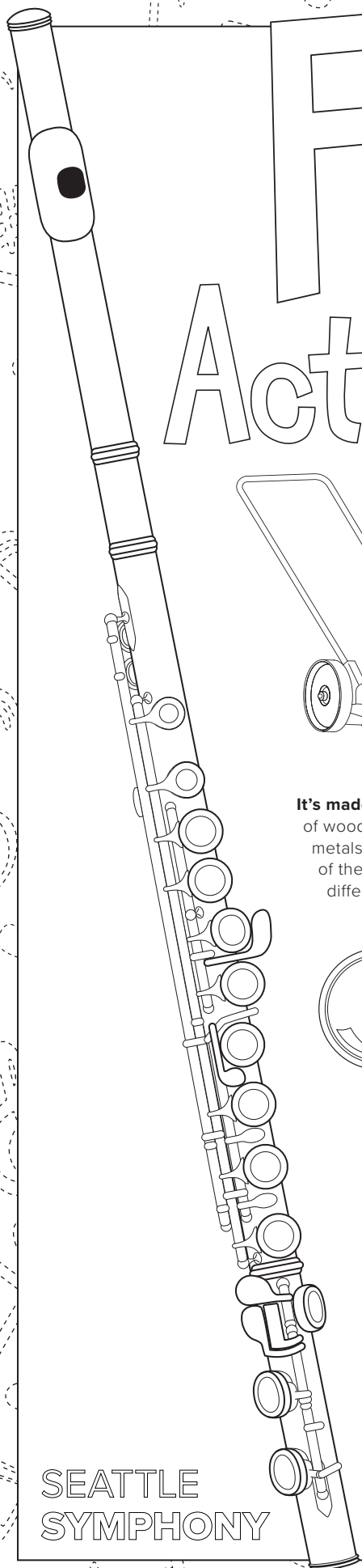
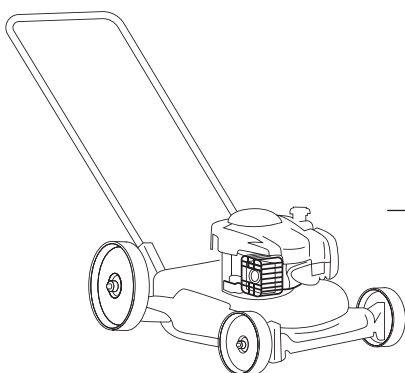


# Flute

## Activity Page



Imagine you're conducting the orchestra. Where on stage would you point to cue the flute to play?



**The flute can play around 85–111 decibels.** That's about the same volume as a lawn mower!



**It's made of what?!** Flutes are the only instrument in the woodwind family that are not made of wood! Although they used to be long ago, flutes are now usually made from different metals such as silver or gold. Flute players create sound by blowing fast air over the edge of their mouthpiece (like you can do with a glass bottle). They change notes by pressing different combinations of keys, similar to the other woodwinds.



At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many flute players are part of the Seattle Symphony? How many flutists do you see on stage today?

### FLUTE WORD SEARCH

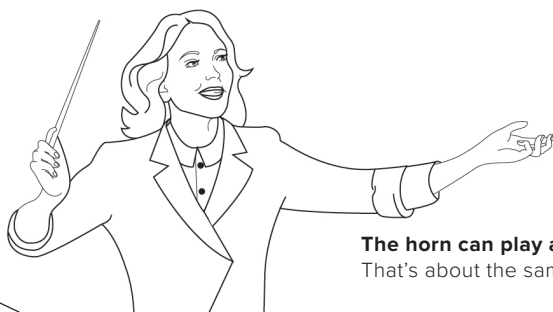
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| h | c | n | m | e | l | o | d | y | p |
| a | o | f | u | l | u | d | u | f | b |
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| y | a | s | m | u | s | i | c | o | h |

#### WORD KEY

flute  
woodwind  
piccolo  
breath  
mouthpiece  
vibrato  
music  
melody  
solo  
harmony

SEATTLE  
SYMPHONY

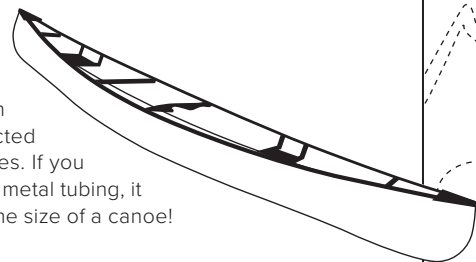
# Horn Activity Page



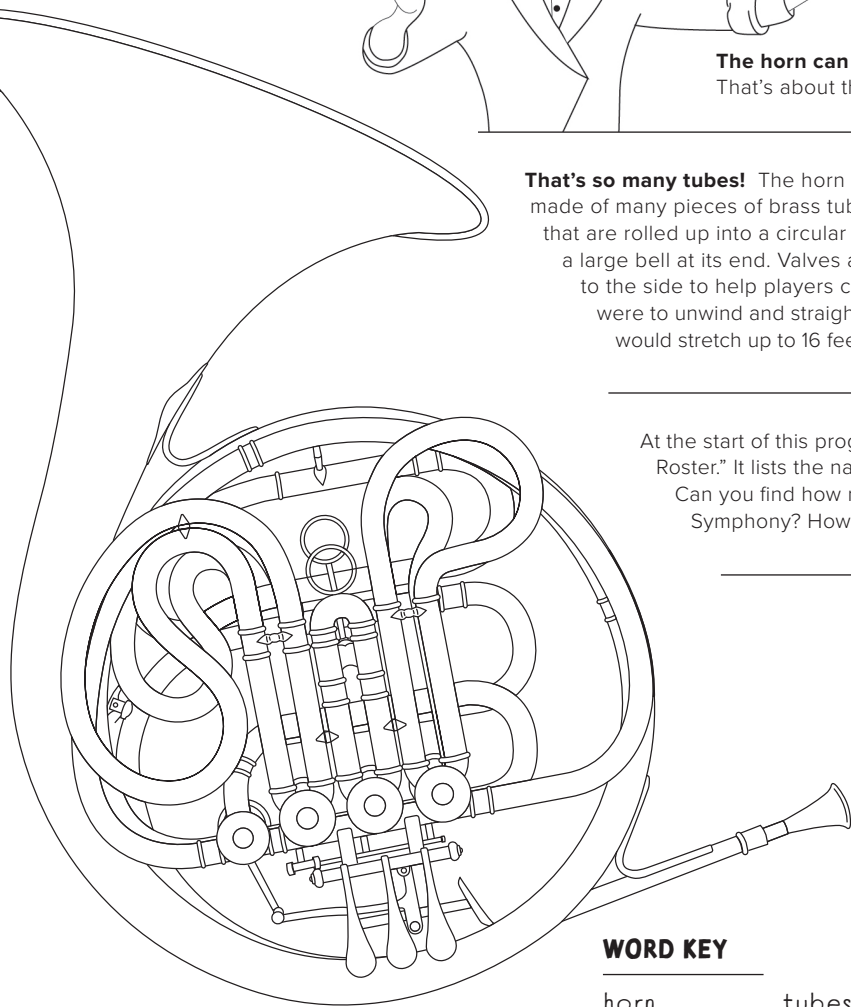
Imagine you're conducting the orchestra. Where on stage would you point to cue the horn to play?

**The horn can play around 90–106 decibels.**  
That's about the same volume as a car horn!

**That's so many tubes!** The horn is made of many pieces of brass tubing that are rolled up into a circular shape with a large bell at its end. Valves are connected to the side to help players change notes. If you were to unwind and straighten all the metal tubing, it would stretch up to 16 feet long — the size of a canoe!



At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many Horn players are part of the Seattle Symphony? How many hornists do you see on stage today?



## WORD KEY

horn  
harmony  
melody  
brass  
mouthpiece

tubes  
buzz  
music  
bell

## HORN WORD SEARCH

|   |   |   |   |   |   |   |   |   |   |
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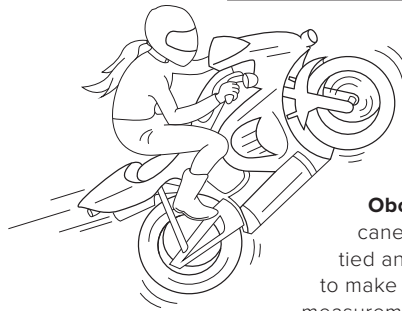
SEATTLE  
SYMPHONY

# Oboe

## Activity Page

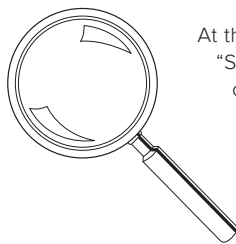


Imagine you're conducting the orchestra. Where on stage would you point to cue the oboes to play?



**The oboe can play between 90–112 decibels.** That's about the same volume as a motorcycle engine!

**Oboes play on a double reed!** The reed is made up of cane from the Arundo Donax plant, which is cut, folded, tied and then scraped into two pieces that eventually vibrate to make sound. This process involves many tools, detailed measurements, and can take several days to complete!



At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many oboes are part of the Seattle Symphony? How many oboes do you see on stage today?



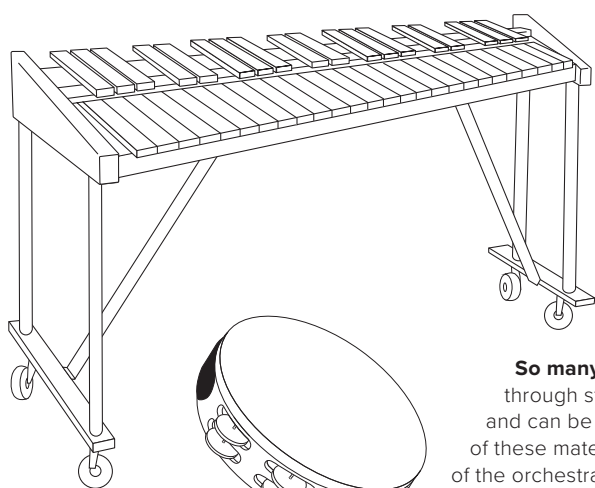
### OBOE WORD SEARCH

|   |   |   |   |   |   |   |   |   |   |
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| a | d | v | m | e | l | o | d | y | t |

#### WORD KEY

oboe  
doublereed  
key  
cane  
music  
melody  
solo  
harmony  
vibrato  
woodwind

# Percussion Activity Page

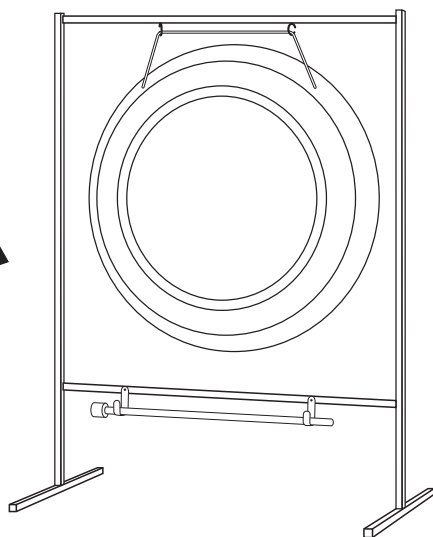
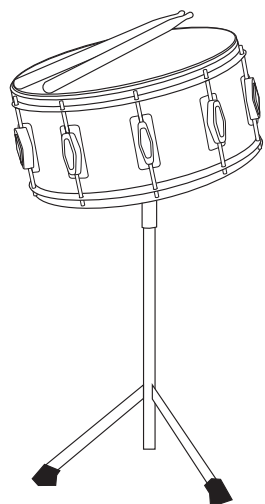


Imagine you're conducting the orchestra. Where on stage would you point to cue the percussion to play? \_\_\_\_\_

**Percussion instruments can play around 105–115 decibels.** That's about the same volume as a leaf blower!

**So many sounds!** There are many kinds of percussion instruments, which make sounds through striking, scraping or shaking. They come in a broad range of shapes and sizes, and can be built from many materials including wood, metal, animal skin and plastic. Each of these materials resonate and vibrate differently when played. Compared to other sections of the orchestra, the percussion section produces the largest variety of sounds!

At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many percussionists are part of the Seattle Symphony? How many do you see on stage today?



SEATTLE  
SYMPHONY

## PERCUSSION WORD SEARCH

|   |   |   |   |   |   |   |   |   |   |   |
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### WORD KEY

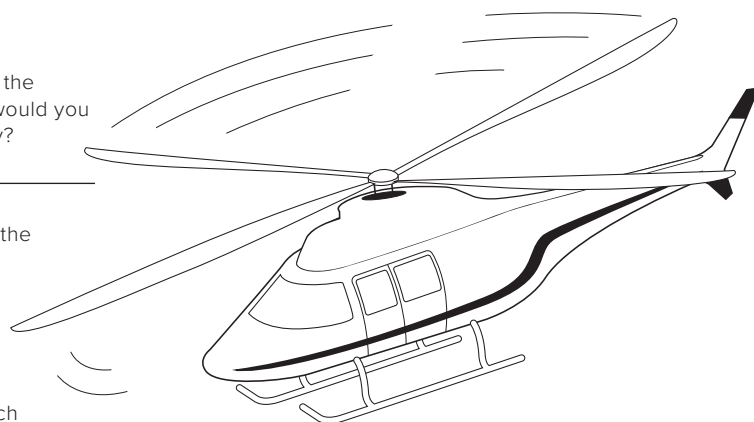
percussion  
strike  
pitch  
rhythm  
xylophone  
mallet  
music  
melody  
drum  
gong

# Timpani Activity Page



Imagine you're conducting the orchestra. Where on stage would you point to cue the timpani to play?

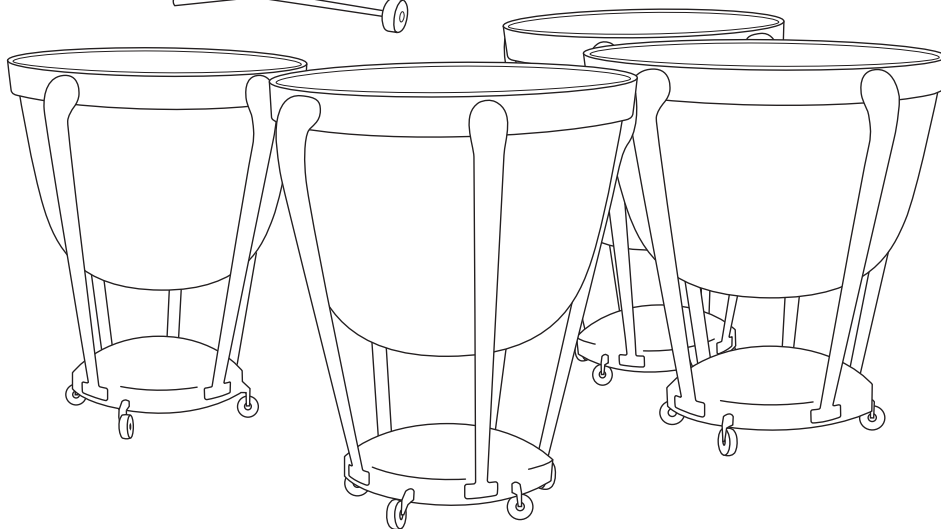
The timpani can play around 100 decibels. That's about the same volume as a helicopter taking off!



**What a toe tapper!** Timpani are pitched percussion, which means they can be tuned to different pitches by using foot pedals. Timpanists use the pedals to stretch and loosen the drumhead, which changes the drum's pitch. They check their tuning and play the instrument using a variety of mallets to strike the drumhead.



At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many timpani and percussion players are part of Seattle Symphony? How many percussionists do you see on stage today?



## TIMPANI WORD SEARCH

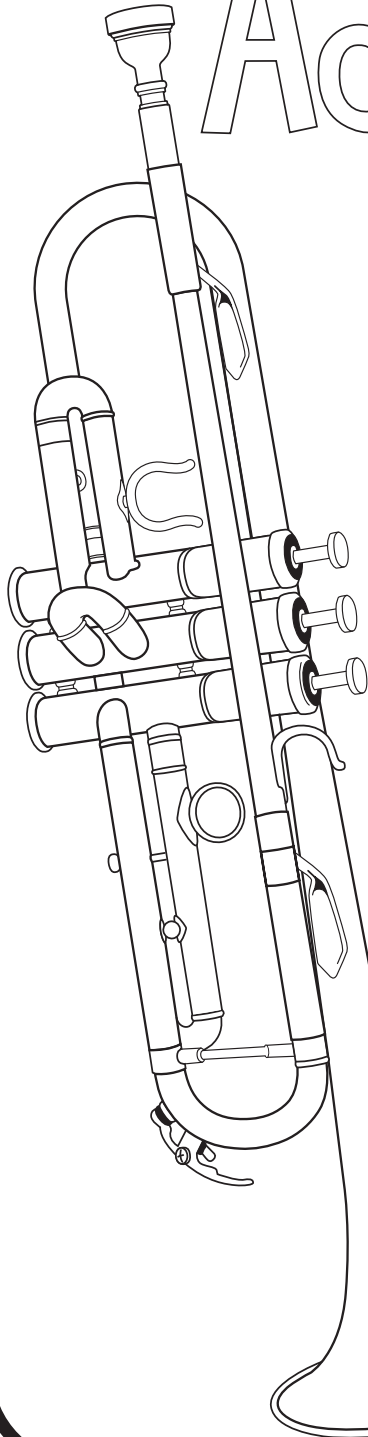
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### WORD KEY

|         |         |
|---------|---------|
| timpani | strike  |
| drum    | pitch   |
| head    | music   |
| pedal   | rhythm  |
| mallet  | harmony |

# Trumpet

## Activity Page

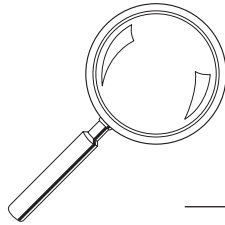


Imagine you're conducting the orchestra. Where on stage would you point to cue the trumpets to play?

The trumpet can play around 110 decibels.  
That's about the same volume as a leaf blower!



**Is there a bee in here?!** If you hear buzzing while the orchestra is warming up, look to the brass section! Trumpet players buzz their lips together to play. The buzzing makes the air vibrate as it leaves their mouths and enters the trumpet. The vibrating air travels through the trumpet's tubes and out the bell, which makes the sound you hear. If you look closely, you might see a brass player warming up their face muscles before the concert using only their mouthpiece and their buzzing lips.



At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many trumpet players are part of Seattle Symphony? How many trumpet players do you see on stage today?

|   |   |   |   |   |   |   |   |   |   |
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| b | r | c | r | m | u | s | z | u | b |
| u | v | e | a | o | z | m | u | z | r |
| m | a | z | s | n | b | u | p | s | e |
| s | l | z | o | y | m | a | u | e | a |
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### TRUMPET WORD SEARCH

#### WORD KEY

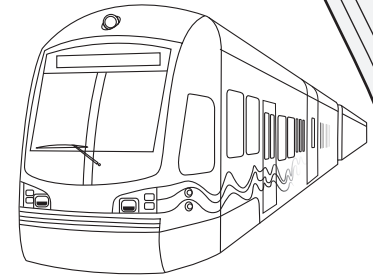
|         |         |
|---------|---------|
| trumpet | buzz    |
| brass   | solo    |
| valve   | music   |
| bell    | melody  |
| breath  | harmony |

# Viola

## Activity Page



Imagine you're conducting the orchestra. Where on stage would you point to cue the violas to play?



The viola plays around 75–85 decibels.  
That's about the same volume as a subway train!

**It's not a violin?** Although they look similar, the viola is its own instrument. It is slightly bigger and plays notes that are lower in pitch. But like the violin, the left hand holds the instrument up while the right hand plucks or bows the strings. An important part of the string section, the viola is known for its unique, dark and rich sound.



At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many viola players are part of the Seattle Symphony? How many violinists do you see on stage today?

### VIOLA WORD SEARCH

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| o | m | m | u | s | i | c | g | n | y | a | e | r |
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### WORD KEY

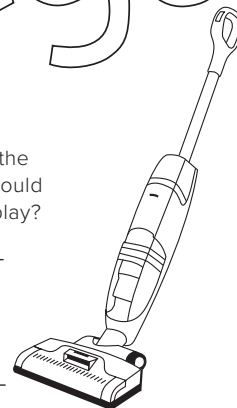
viola  
bow  
strings  
scroll  
arco  
pizzicato  
chinrest  
music  
melody  
harmony

# Violin Activity Page



Imagine you're conducting the orchestra. Where on stage would you point to cue the violins to play?

The violin plays around 80–90 decibels. That's about the same volume as a vacuum cleaner!



It sounds so nice they made it twice! There are two sections of violins in the orchestra: the first and second violins. Both sections require incredible technique and musical skill. The first violins will often play the main melodies, using their instruments to soar to the highest notes. The second violins often have the important job of supporting the melody by playing countermelodies and harmonies.



At the start of this program, there is a page titled "Seattle Symphony Roster." It lists the names of all the orchestra musicians by instrument. Can you find how many violins are part of the Seattle Symphony's first and second violin sections? How many total violinists do you see on stage today?

## VIOLIN WORD SEARCH

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| s | c | o | r | o | n | l | y | s | t | r | r | o |
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| c | o | n | p | i | z | z | i | c | a | t | o | i |
| n | l | g | b | o | s | m | c | u | s | i | z | z |
| t | l | s | b | l | u | m | a | s | t | r | g | v |
| p | i | n | g | i | z | z | s | c | e | s | t | d |
| s | t | r | i | n | g | s | l | y | r | t | a | i |

### WORD KEY

violin  
bow  
strings  
scroll  
arco  
pizzicato  
solo  
music  
concertmaster  
melody  
harmony