

DAYTON PERFORMING ARTS ALLIANCE

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Ballet Opera Philharmonic

Where in the World?

July 6, 2020 at 10 am

Dayton Philharmonic Woodwind Quintet



Rebecca Andres (flute), Eileen Whalen (oboe), Jessica Pinkham (horn), Rachael Young (bassoon), John Kurokawa (clarinet)

Dear Families,

Welcome to the Dayton Performing Arts Alliance's [Summer Streams](#) Family Series. We've created these materials so you can bring the performances you watch to life at home!

After watching the performance, try these activities at home to reinforce and extend what your child learned. Tag us on [Facebook](#) in your photos of the explorations you do! We'd love to see what you create together.

To learn more about DPAA's education programming that reaches over 60,000 students each year, visit our website at www.daytonperformingarts.org/education.



Ruth

Ruth Reveal
Director of Education
Dayton Performing Arts Alliance

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Science Connections

How do instruments make sound?

Instruments of the Woodwind Quintet

From left to right:

Bassoon

Flute

Oboe

Clarinet

Horn

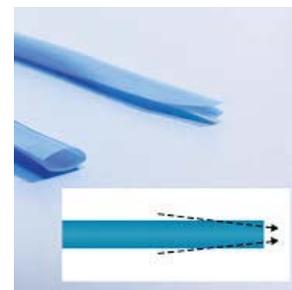
Image via artfuly.ly



Reed Instruments

The oboe, bassoon, and clarinet are three instruments that require reeds to make sound. Try creating your own reed with a plastic straw! [Here are some helpful instructions](#) on how to create your own straw reed. This [video](#) shows how to create your reed and how to change the pitch. It might take some practice to make sound on your reed! Image via [spsnational.org](#).

- What happens to the pitch of the reed as you make it shorter? Why?



Flute

The flute player made sound on her instrument by blowing air over the main hole of the flute. Use a glass or plastic bottle to practice this. You can change the pitch by changing the amount of water in the bottle.

- How can you make the pitch higher? Lower?
- Predict why adding or removing water changes the pitch. Read more about this experiment [here](#). Image via [Steve Spangler Science](#).



Horn (technically a brass instrument, but it's part of the woodwind quintet!)

The horn player made sound on her instrument by buzzing her lips into her mouthpiece. Try creating your own "brass" instrument using [these instructions](#). Image via [New York Philharmonic KidZone](#).

- Can you change the pitch of your homemade instrument by changing the way you buzz your lips?



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Social Studies Connections

The Woodwind Quintet performed music from all over the world. The countries they visited were Australia, Brazil, China, Denmark, England, France, Italy, Kenya, Mexico, Norway, Russia, and the United States.

- Choose one of the countries they talked about and do more research on it, using [National Geographic Kids](#). You can learn things including
 - Official languages of the country
 - The country's form of government and capital
 - Some information about the people's culture
- Choose a different country, and learn about one of the famous composers from that country, using [Classic Cat](#).
- Choose a third country, and map a journey from your house to the capital of that country. How would you travel (car, bus, plane, boat, train)? How long would it take? How much would it cost?



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English Language Arts Connections

Connecting ELA, Art, and Music

- Listen again to "[Tico Tico](#)." This song was written by Brazilian composer Zequinha de Abreu about a little bird.
 - While you listen, draw a picture of what the music makes you think about.
 - Write a cinquain poem about the little bird that Abreu tells you about through the music. Read more about how to write a cinquain poem [here](#) (there's a great example as well!). Cinquain image via [Colleen Chesebro](#).



Cinquain: 5 line Poetry

Syllabic verse form. Gradually increasing number of syllables in each line until the last line, which returns to two syllables.

Form for younger students:

Line 1: 2 syllables One word giving the title. (noun)

Line 2: 4 syllables Two words that describe the title. (adjectives)

Line 3: 6 syllables Three words that express action. (Verbs) (End in -ing)

Line 4: 8 syllables Four words that express feeling or describe more.

Line 5: 2 syllables One word that gives the title a different name. (synonym)

- Share your drawing and read your poem aloud for your family. Tell them about how your art and poetry relate to the music.

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Resources Referenced

https://www.youtube.com/watch?v=v_ZnJCMQqwo

https://en.wikipedia.org/wiki/Tico-Tico_no_Fub%C3%A1

<https://olkingcolescastle.wordpress.com/tag/cinquains/>

<https://poetryteatime.com/blog/writing-a-cinquain-poem>

https://i2.wp.com/colleenchesebro.com/wp-content/uploads/2016/07/071216_2009_fairiesac1.jpg?w=825

<https://poetryteatime.com/assets/blog-images/PTT-Blog-Cinquains-image.jpg>

<http://www.reachoutmichigan.org/funexperiments/quick/woodwind.html#:~:text=Cut%20out%20a%20%E2%80%99CV%E2%80%9D%20shape,your%20teeth%20touch%20the%20straw.>

<https://www.youtube.com/watch?v=7VgUz86qwZw>

<https://www.kidspot.com.au/things-to-do/activity-articles/science-experiment-bottle-flute/news-story/2a3bc3e0a737a4b3acdf2e4de470c69b>

https://www.nyphilkids.org/lab/make_trumpet.html

<https://www.stevespanglerscience.com/lab/experiments/pop-bottle-sounds/#:~:text=Adding%20water%20to%20the%20bottle,the%20glass%20with%20a%20spoon.&text=The%20more%20water%20you%20add,you%20blow%20across%20the%20top.>

<https://www.spsnational.org/the-sps-observer/summer/2017/straw-reed-instrument>