# Fourth Grade Programs

## Fig Newton: Science Through Juggling

**Ron Anglin**

Professional educator and juggler, Ron Anglin, holds a Master’s degree in Education and has 9 years of classroom teaching experience. His program, *F.I.G.* (Force, Inertia, and Get a Reaction) *Newton*, explores Newton’s Three Laws of Motion through juggling. The program also gets students up and moving, tapping into their concentration and balance. Students explore physical science concepts by juggling scarves, Spin and Toss Chinese YoYos, spinning plates, and playing Kendama.

GSE: S4P3a,c; PE4.1; PE4.2; PE4.5

<table>
<thead>
<tr>
<th>Max # of Students:</th>
<th>150 assembly, 35 per class workshop (N/A if virtual)</th>
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<tbody>
<tr>
<td>Program Length:</td>
<td>50 minutes Assembly, 1 hour workshop per class</td>
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<tr>
<td>Location &amp; Times:</td>
<td>School TBD &amp; Virtual</td>
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<tr>
<td>Dates:</td>
<td>In-person-TBD; Available Digitally for a Two Week Time Period</td>
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### STEAM Workshop!

### Participating 4th grades will receive a “traveling trunk” of juggling equipment with the workshop and can keep the trunk for up to 2 weeks to allow students to further explore the physics concepts!

## Frederick Douglass

**Akbar Imhotep**

Frederick Douglass’ story is a story of legends and myths…but his is an actual story. It is a story of a man who was once enslaved, who escapes to his freedom and becomes a world celebrated abolitionist. Storyteller/Puppeteer/Actor Akbar Imhotep portrays Frederick Douglass and shares this fascinating journey of how he liberated himself from mental and physical slavery and his mission to free others. His message encourages young people to be literate and to embrace reading and education.

GSE: SS4H4; ELAGSE4SL2; TA4.RE.1; TA4.CN.1

<table>
<thead>
<tr>
<th>Max # of Students:</th>
<th>150 (N/A if virtual)</th>
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<tbody>
<tr>
<td>Program Length:</td>
<td>50 minutes Assembly</td>
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<tr>
<td>Location &amp; Times:</td>
<td>Museum: 9:30 &amp; 10:30; School TBD &amp; Virtual</td>
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<tr>
<td>Dates:</td>
<td>In-person-TBD; Available Digitally for a Two Week Time Period</td>
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## We Can Do It: American Women in History

**Bright Star**

Celebrate the 100th Anniversary of the signing of the 19th Amendment with our show *We Can Do It: American Women in History*. This is the perfect show to inform and inspire audiences. An incredible adventure featuring some of the world’s most remarkable female pioneers, your audience will discover incredible and groundbreaking women like Amelia Earhardt, Sacajawea, Susan B. Anthony and more!

Max # of Students: N/A virtual

<table>
<thead>
<tr>
<th>Program Length:</th>
<th>1 hour Pre-Recorded Assembly</th>
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<tbody>
<tr>
<td>Location &amp; Times:</td>
<td>Virtual Only</td>
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<tr>
<td>Dates:</td>
<td>Available Digitally for a Two Day Time Period Starting Jan. 4</td>
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## Lewis and Clark: Starlab

**Chattahoochee Nature Center**

Using our portable planetarium, students will explore the navigation technology used by Lewis & Clark and how they relied on the stars to guide their journey. Students will determine the latitude and longitude of their current location, using techniques Lewis & Clark would have used. Along the way, students will learn about stars and constellations.

GSE: S4E2; ELAGSE4SL2; ELAGSE4SL3

<table>
<thead>
<tr>
<th>Max # of Students:</th>
<th>60</th>
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<tbody>
<tr>
<td>Program Length:</td>
<td>50 minutes Assembly</td>
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<tr>
<td>Location &amp; Times:</td>
<td>Museum: 9:30 &amp; 10:30; School TBD, Not available virtual</td>
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<tr>
<td>Dates:</td>
<td>Indicate date when your request program</td>
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Simple Machines & the Light of Leonardo, Renaissance Genius
Damon Young

Discover the Da Vinci in YOU! in this innovative puppet show featuring shadow puppet theater and live music. Join Niccolò the knight and Incendio the dragon as they investigate the relationship between force and motion and the nature of light. Accompany the young Leonardo into the Tuscan countryside, through his apprenticeship in bustling Renaissance Florence and into his fascinating work as a multifaceted genius whose work touched on engineering, architecture, painting, theater, and more.

GSE: S4P1a,b,c; S4P2a,b; S4P3c; TA4.CR.1a,b,c,d,e; TA4.PR.1a,b,c,d,e; TA4.RE.1a,b

Max # of Students: 150 assembly (N/A if virtual)
Program Length: 50 minutes Assembly
Location & Times: School TBD & Virtual
Dates: In-person-TBD; Available Digitally for a Two Week Time Period

Susan B. Anthony
Cathy Kaemmerlen

Learn about the struggles for American women to gain the right to vote led by Susan B. Anthony, who spent her life devoted to this cause. Among her many struggles and achievements was her arrest in 1872 for voting in the Presidential election and challenging the 13th, 14th, and 15th amendments to the Constitution. Traveling cross country, she made thousands of fiery speeches to garner support for women's rights. Fourteen years after her death, the 19th amendment to the Constitution, known as the Susan B. Anthony Amendment, was passed, granting women the right to vote.

GSE: SS4H4a; ELAGSE4SL3; TA4.RE.1a,b

Max # of Students: 150 assembly (N/A if virtual)
Program Length: 50 minutes Assembly
Location & Times: School TBD & Virtual
Dates: In-person-TBD; Available Digitally for a Two Week Time Period

A Revolutionary Spy for General Washington
Cathy Kaemmerlen

An intriguing spy story of messages hidden inside covered buttons by a Quaker family, The Darraghs, during the Revolutionary War. Learn about spying and about the "times that tried men's souls" as the colonists tried to decide to fight for independence or stay under British rule. Become a "Spy Kid"! With this hands-on code making and breaking activity, students individually and collectively solve various codes and create their own codes based on the Revolutionary War story told by the performer. They also create a secret button to take home.

Please request the PeRC when scheduling.

Max # of Students: 150 assembly (N/A if virtual)
Program Length: 50 minutes Assembly & 50 minute hands-on activity
Location & Times: Museums, 9:30 & 10:30; School TBD & Virtual
Dates: In-person-TBD; Available Digitally for a Two Week Time Period

Sit-In
Alliance Theatre

Written by Atlanta's bestselling author, playwright, and Civil Rights Activist, Pearl Cleage this original animated short celebrates the power of youth to change history. We meet three friends as they learn about the sit-ins of the Civil Rights era, and powerfully apply those lessons to issues they – and we all – face today. The play invites students, parents, teachers, and families to experience the Civil Rights Movement as a living, breathing energy with practical lessons, ethical challenges, and moral choices that remain relevant today.

The SIT-IN Workshop enriches the viewing experience by extending the learning beyond the screen. Use the tools of the actor to explore the animated short’s themes and characters and make connections to the Civil Rights Movement and contemporary events.

Max # of Students: N/A virtual
Program Length: 50 minutes pre-recorded assembly with optional 50 minute pre- or post-performance virtual workshop
Location & Times: Virtual Only
Dates: Available Digitally for a Two Day Time Period From Oct. 1 to Nov. 1 &
Fourth Grade Programs

Shadow Puppets & Science
Damon Young

This in-school residency begins with a kickoff performance spotlighting the science behind shadow puppetry. Next, student groups, with support from their ELA or Social Studies teacher, create narratives based on the Revolutionary War or Greek Mythology (grade level team’s choice). Mr. Young works with students to plan, create and perform their narratives through the magic of shadow puppetry. Students perform their narratives using puppets, props, and stage settings they have created, while exploring properties of light, shadow, and scale.

GSE: S4P1a; SS4H14; TA4.CR.1a,b,c,d,e; TA4.PR.1a,b,c,d,e; TA4.RE.1a,b

Max # of Students: 150 assembly, 35 students for workshop (N/A if virtual)
Program Length: 50 minutes Assembly, 4 1-hour workshops per class
Location & Times: School TBD with grade level team & Virtual
Dates: In-person-TBD; Available Digitally for a Two Week Time Period

Turn Homeward Hannalee
Cathy Kaemmerlen

A dramatic presentation of the historical fiction novel by Patricia Beatty, this performance portrays the plight of Georgia mill workers arrested under orders of General William Tecumseh Sherman in July of 1864, charged with treason for making cloth for the CSA, and shipped to Louisville, KY to live as prisoners of war. The play documents the horrors and realities of a civil war; details about the end of the war; and the strength of family love, devotion and honoring a promise. In times that are “hilly, bumpy, and stumpy,” this 50 minute play portrays the good and bad characteristics of both sides who fought in the Civil War, represents how war can affect the total population of a nation, and is a plea for peaceful solutions. Many school children read this book in their classrooms.

GSE: SS4H5e; ELAGSE4SL3; TA4.RE.1a,b

Max # of Students: 150 (N/A if virtual)
Program Length: 50 minutes Assembly
Location & Times: Museum: 9:30 & 10:30; School TBD & Virtual
Dates: In-person-TBD; Available Digitally for a Two Week Time Period

Harriet Tubman: Journey through Song
Joanna Maddox

Students learn of the heroic story of Harriet Tubman, who escaped from the bonds of slavery in the summer of 1849. After escaping to freedom, she made 19 trips back to lead other slaves, including her parents, to freedom. She soon became known as the “Moses” of her people. Her trips were carefully planned and brilliantly executed by the use of the “Underground Railroad”, an ever-changing series of secret hiding places.

After hearing of the trials and remarkable courage of Harriet Tubman, students will design quilt squares to create a class quilt related to the Underground Railroad. This hands-on activity is available on location at the Museum. Please request the PeRC when scheduling Harriet Tubman.

GSE: SS4H4a; ELAGSE4RI1, 2; ELAGSE4SL1; ELAGSE4SL4; TA4.RE.1a,b; TA4.CN.1

Max # of Students: 150
Program Length: 1 hour Assembly with 50 minutes hands-on quilt squares activity
Location & Times: Museum: 9:30 & 10:30 (not available virtually)
Dates: Indicate date when your request program

Hey! What’s that Sound?
Dave Holland

Science meets music in this unique, high energy, interactive performance! Students learn various ways in which sound is produced, the nature of sound waves and how environmental conditions may affect an instrument’s original pitch.

KEY CONCEPTS: vibration, frequency, amplitude, echo, wavelength, vacuum

GSE: S4P2a,b; ESGM4.CN.1b; ESGM4.CN.2c

Max # of Students: 150 (N/A if virtual)
Program Length: 50 minutes Assembly
Location & Times: Museum: 9:30, 10:30, & 11:30 & Virtual
Dates: In-person-TBD; Available Digitally for a Two Week Time Period
Fourth Grade Programs

World of Water
Fulton County Public Works

Water is essential to life, and part of most of our daily activities, yet we often take it for granted. It’s important for each of us to understand where our water comes from, how it travels around the Earth, and what we can do to help protect and conserve it. During this program, students will rotate through three different hands-on activities to learn about watersheds, the water cycle, and the infrastructure that provides us with clean drinking water each day. Students will also discuss ideas and methods for water conservation and pollution prevention.

GSE: S4E3b; ELAGSE4L6; ELAGSE4SL4

Max # of Students: 150
Program Length: 2.5 hours with 4 hands-on activities
Location & Times: Museum: 9:30 to 12:00; not available virtually
Dates: Indicate date when your request program

From DeWitt’s Ditch to the Golden Gate: Landmarks of American Engineering
Barry Stewart Mann

Journey across the nation and the years, visiting four fantastic feats of construction and courage through interactive storytelling. We’ll dig into the saga behind the Erie Canal, follow the tracks of the Transcontinental Railroad and its completion at the Golden Spike, explore the vision and vigor that went into building Hoover Dam, and end our story travels at the glorious Golden Gate. History, human ambition and ingenious engineering come to life with music, props, visuals, audience participation and more, confirming the conviction that “where there’s a will, there’s a way!”

GSE: SS4G1a,b; SS4G2b; SS4E1f, SS5H3, S4P3, TA4.RE.1a,b; TA4.RE.2a,b; TA4.CN.1a

Max # of Students: 150
Program Length: 50 minutes Assembly
Location & Times: Museum: 9:30 & 10:30; School TBD, Not available virtually
Dates: Indicate date when your request program

The Most S.T.E.A.M.ulating Science Show
Michael Green aka The Science Machine

Did you say S.T.E.A.M.uling? That can only mean one thing. The Science Machine is in the building! Students will not believe their eyes when the Science Machine unveils his newly created, vortex powered “air cannon”. Every sense is tested as The Science Machine fills a cup with water and turns it upside down over a student’s head… and so much more! Students will long remember their interactive S.T.E.A.M. learning experience with The Science Machine!

GSE: S4P1a,b,c; S4P2a,b; S4P3a,b,c; S4L1a

Max # of Students: 150
Program Length: 50 minutes Assembly
Location & Times: Museum: 9:30 & 10:30; School TBD, not available virtually
Dates: Indicate date when your request program

Check out the Fourth Grade Traveling Trunks!

Civil War Homefront/Battlefield Trunk
Breakout EDU: Exercise your right to Sheep in a Jeep: Picture-Perfect Science Trunk Watershed/Nonpoint Source Model ADI Light and Reflection ADI Light and Reflection

Max # of Students: 150
Program Length: 50 minutes Assembly
Location & Times: Museum: 9:30 & 10:30; School TBD, not available virtually
Dates: Indicate date when your request program

Follow us on Twitter @teachingmuseum

Major funding for this organization is provided by the Fulton County Board of Commissioners.