



EXPLORE

Multimedia Resources

「MASTERPIECESM」



MASTERPIECE Resources

General STEAM Resources

Video Resources	
CURIOUS KIDS STEAM (Science-Technology-Engineering-Art-Math) (28:47)	Video by PBS sharing how all subjects are intertwined to solve a problem
How are movies made? The movie making process explained (6:07)	Video by Movie University explaining the process of making movies
Web Resources	
PBS Learning Media for Students	Search for “art”, “music”, “theater” and filter for your age, resource, length, and language
Movie University	YouTube page with various videos about movies
What Great Movies Look Like Without Special Effects	Clips of popular movies without their special effects
Book Resources	
Questioneers Series by Andrea Beaty	Great series of books on STEAM topics

MASTERPIECE Session Resources

Session 1: Hobbies and Interests

Video Resources	
200+ Hobby Ideas (Hobbies to Try from A to Z) (14:16)	Video covering over 200 examples of hobbies
Hobbies & Interests for Kids (2:55)	Short video with examples of hobbies
Web Resources	
The Science Behind How Hobbies Can Improve Your Brain Health!	Article from Mautushi Paul on how hobbies improve brain health
Book Resources	
Bobby, Get a Hobby by Andrew G. Rosen	Picture book about a boy trying new hobbies

Session 2: Behind the Scences

Video Resources	
Working Backstage at Aladdin The Musical (4:01)	Production manager interview of Aladdin about what all happens to make the show a success
Kids Show & Tell Their Hidden Talents (6:22)	Video by HiHo Kids of students sharing their hidden talents
Web Resources	
Careers in Art	A great source for learning about arts careers
It's Not Just a Stage	An article covering details and parts of a stage
Book Resources	
Bats in the Band by Brian Lies	Book about bats using empty stage for concert

Session 3: Sound All Around

Video Resources	
What is Music? Young Explorers (2:38)	Video on music types and how people make it
Elements of a Concert (5:46)	Explains the basics of one type of concert
Career Connections Sound Engineer (5:38)	The responsibilities of a sound engineer and how to become one
Web Resources	
Concert Facts for Kids	Kiddle Kids Encyclopedia Facts

Session 4: Theater Technology

Video Resources	
Annie on Broadway: What Do Stage Managers Do? (3:29)	The responsibilities of a stage manager are discussed
What is Theater? Young Explorers (2:14)	Video on the parts of theater – cast and crew
Web Resources	
Theatre Facts for Kids	Fun facts related to theater history from Kiddle
Shakespeare's Theater	History of theater from Shakespeare's time

Book Resources

The School Play (Little Critter) by Mercer Mayer	A short picture book about performing in a school play
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Session 5: Museum Exhibit

Video Resources

Different Kinds of Museums (15:00)	Video talking about the different museum types
Museum Inside Out: The Exhibition Designer (2:04)	Video of a museum exhibit designer talking about what he has to plan for with a new exhibit

Web Resources

8 Top Technology Trends for Museums	Article on technology helping to change the way the audience interacts with museum exhibits
Virtual Children’s Museum Visits	A list of 10 children’s virtual museums
Virtual Art & History Museum Tours	A list of 20 art and history virtual museums

Book Resources

Simon at the Art Museum by Christina Soontornvat	Picture book about a boys first visit to an art museum and how his perspective changed
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Session 6: Visual Effects

Video Resources

Camera Movement (and why it matters!) (2:44)	Video on the 7 basic camera movements and why they are important
How Does a Green-Screen Work? (1:56)	Short video explaining how a green-screen works
The Making of Star Wars — Pioneering Special Effects, VFX, and Sound Design (13:03)	Video explaining how the making of Star Wars was the first of its kind in special/visual effects and sound design

Web Resources

VFX – Everything You Need To Know	Resources on visual effects and when to use
Working in the Visual Effects Industry	Article and series of short videos on the skills needed to work in visual effects and animation

Session 7: Setting the Stage

Video Resources	
Working Backstage at Aladdin The Musical (4:01)	Production manager interview of Aladdin about what all happens to make the show a success
Web Resources	
Setting the Stage (average video length is 5:00)	A 12 part video series highlighting STEAM-based professionals who create the live performances
Book Resources	
Pete the Cat Talent Show Trouble by Kimberly and James Dean	Children's book about Pete the Cat performing in the town's local talent show

Sessions 8 & 9: Team Model

Video Resources	
Recap of the 2019 FIRST LEGO League World Festival in Houston (1:10)	*Have your students watch for examples of team models in the video
Science of Innovation: What Is Innovation? (6:56)	Video from NBC News Learn about innovation and the process for improving
Designing and Building the LEGO Model & Creating the Show-Me-Poster (30:24)	Coach webinar from <i>FIRST</i> in Texas
Web Resources	
There's Got to be a Better Way – Developing a Product	Resources from Fun Kids – UK children's Radio Station on how to develop a product and share it

Sessions 10 & 11: Team Poster

Video Resources	
Sessions 10 & 11 - Poster (0:42)	Video of <i>FIRST</i> LEGO League Explore Poster
Recap of the 2019 World Festival (1:10)	*Watch for example team posters in the video
Web Resources	
6 tips to create awesome science posters	Fizzics Education
Team Poster - Explore	Tips from the IET in the United Kingdom

Session 12: Prepare for Event

Video Resources	
How to Prepare for your Festival (1:39)	Video by IET on the basics of hosting an event
Celebrate - GoNoodle Dance Song (2:34)	Video & Song to play for students to dance along
Presentation Skills, Part 1 (1:44) Presentation Skills, Part 2 (1:31)	Videos from Green Ivy Schools to teach students how to give a great presentation
Web Resources	
Customizable Student Certificates	Printable certificates to award to each student
Event Introduction	Overview of what the event will look like
Reviewing Sheet	Reviewing questions, rubric, and awards

Career Resources

General Career Resources	
Visit the Learning Lab and search careers	PBS Learning Media
Amazon Future Engineer Class Chat	Amazon
Career Exploration Lesson Plans	Nebraska Department of Education
Career Resources for Elementary Grades	Workforce Solutions
Career Exploration	Profiles from the US Bureau Labor & Statistics
Career Exploration Kahoot Course	Kahoot Courses for learning about careers
X-STEM All Access	YouTube Playlist with STEM interviews
MASTERPIECE Career Resources	
Music Career Resources	Learn about the various careers in music and the experience you need for each job
Music Career Resources and Tools	Learn about certain music careers
Working in Theater	Videos on jobs you can have working in theater