



Multimedia Resources

「MASTERPIECESM」



FIRST® LEGO® League Discover Multimedia Resources

Below is a session-by-session list of Multimedia Resources for this season. These resources include links to websites, videos, building instructions, and other online tools related to the content of each session.

Some of the resources below are from third-party sites not developed or managed by FIRST® or LEGO® Education, but they're too great not to share!

You could share resources during sessions and/or encourage your students to explore them between sessions (with permission and supervision from a parent or guardian).

Go To Resources		
Email for General Support	FIRST LEGO League Discover: How It Works Flyer	Getting Started with FIRST LEGO League Discover Video
Getting Started with FIRST LEGO League Discover Six Bricks Video	FIRST Family Engagement Resources	Discover More Family Engagement Video
FIRST LEGO League YouTube Channel	MASTERPIECE General Season Resources	Teamwork Makes the Dream Work FIRST LEGO League Music Video
General Resources		
LEGO Education Support	FIRST LEGO League (global)	FIRST LEGO League (US)
Impact of FIRST Programs	Buying LEGO Replacement Parts	FIRST LEGO League Support Videos
Family Engagement Resources		
LEGO Education Let's Build Together Activities	LEGO Foundation Learning Through Play Activities	LEGO® Family YouTube Channel
Help Them Play with LEGO® DUPLO®	Six Bricks Activities for Families Videos	
Educator Resources		
Skills Progression	Standards Alignments	Scope and Sequence Options
FIRST Certified Professional Development	FIRST Education Philosophy	STEAM Park Teacher Guide

LEGO Education & Six Bricks Resources		
Self-Guided Professional Development	LEGO Education Teacher Community	Six Bricks Booklet
Six Bricks Activity Cards	Six Bricks Numbers & Letters Practice	Six Bricks Books on Various Skills
Equity, Diversity, and Inclusion Resources		
FIRST Mentoring and Coaching with FIRST videos	Inclusive Recruitment & Enrollment Strategies	Additional Training & Resources

MASTERPIECE Season Resources

[Season Resources](#) page includes:

- Season Launch Resources
- Links to Season Videos
- Discover Overview
- Discover Welcome Letter
- Discover Introduction
- Discover Set Building Instructions
- Student Participation Certificates
- Individual Session Slides
- MASTERPIECE Season video resources on [FIRST LEGO League YouTube Channel](#)
- [Season content](#) (logos, templates, graphics, posters, wallpapers)

Core Value Resources

Book Resources	
The Squirrels who Squabbled by Rachel Bright	Fiction book about conflicts
A Little SPOT of Teamwork: A Story About Collaboration and Leadership by Diane Alber	Fiction book about teamwork
Brave Irene by William Steig	Fiction book about perseverance
The Invisible Boy by Patrice Barton	Fiction book about inclusion
My Mouth is a Volcano! by Julia Cook	Fiction book about taking turns
The Little Red Pen by Janet Stevens	Fiction book about cooperation
Going Places by Paul and Peter Reynolds	Fiction book about creativity
Web Resources	
FIRST at Home activities	A variety of free activities and links



FIRST Core Values through Social, Emotional Learning Activities	Part of <i>FIRST</i> at Home
33+ Awesome Team-Building Games and Activities for Kids	We Are Teachers
Team Building for Kids: A Complete Guide	Venture Team Building

Engineering Resources

Computational Thinking	
Computational Thinking in Preschool: What, Why, and How	Article and free app on the importance of computational thinking in pre-school students
Computer Science in Early Childhood Education	Article on the K-12 computer science frameworks
Computational Thinking for All	Resource toolkit for educators on computational thinking developed by ISTE
Unplugged Lessons in Computer Science Fundamentals	No tech coding lessons developed by Code.org. Course A for Kindergarten/Course B for Grade 1
Design Process	
Design Thinking: A Problem-Solving Framework Video (5:22)	Video for educators to understand design thinking by Edutopia
Design Thinking for Students and Teachers	Article with videos for teachers about design thinking and how to use it in the classroom
Design Thinking in the Kindergarten Classroom	Article and lessons with tips on how to use design thinking with your students
STEAM Park Resources	
STEAM Park Teacher Guide – Lessons: Functional Elements , Welcome to STEAM Park , and Gears	Guide created by LEGO Education to help facilitate the use of the STEAM Park materials
<ul style="list-style-type: none"> • Welcome to STEAM Park • STEAM Park 2 • STEAM Park 3 • STEAM Park 4 • STEAM Park 5 • STEAM Park 6 • STEAM Park 7 • STEAM Park 8 	STEAM Park Animations created by LEGO Education, great for introducing students to each part of the STEAM Park materials
Bringing STEAM to Life in Preschool Classrooms Video (1:32)	Video created by LEGO Education covering benefits of the STEAM Park set
STEAM Park Element List	Visual inventory created by LEGO Education, helpful to make sure you have all materials

MASTERPIECE Session 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
Sound Effects (1:05)	Video by Kid's Space Children's Museum about sound effects and their uses
Art Museum Virtual Field Trip KidVision Pre-K (8:28)	Video by South Florida PBS taking you on a virtual trip to an art museum
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 group, type of resource, length, and language
Movie University	YouTube page with various videos about movies
Book Resources	
Questioners Series by Andrea Beaty	Great series of books with characters who explore STEAM topics

Session 1: Let's Discover

Video Resources	
Hobbies Song (1:33)	Short video about examples of 4 hobbies for kids
Hobbies & Interests for Kids (2:55)	Short video with examples of hobbies
Web Resources	
Discover Six Bricks I (2:36)	FIRST LEGO League Video on the Discover More Six Bricks I Activity
Inspiration Photo from STEAM Park Functional Elements Lesson	LEGO Education STEAM Park Set Visual
Book Resources	
Bobby, Get a Hobby by Andrew G. Rosen	Picture book about a boy trying new hobbies

Vocabulary Resources	
Hobby Definition	Vocabulary definitions from Britannica Kids
Performance Definition	Vocabulary definitions from Britannica Kids
Audience Definition	Vocabulary definitions from Britannica Kids

Session 2: Music Concert

Video Resources	
What is Music? Young Explorers (2:38)	Video on the different types of music and how people make music
Elements of a Concert (5:46)	Explains the basics of one type of concert
Web Resources	
Discover Six Bricks II	FIRST LEGO League Video on the Discover More Six Bricks II Activity
Concert Facts for Kids	Kiddle Kids Encyclopedia Facts
Book Resources	
Music is ... by Brandon Stosuy	Bilingual (English/Spanish) picture book that introduces music
Because by Mo Willems	Picture book about a girl's first concert and how it inspired her to be a musician
Vocabulary Resources	
Musician Definition	Vocabulary definitions from Britannica Kids
Concert Definition	Vocabulary definitions from Britannica Kids
Entertain Definition	Vocabulary definitions from Britannica Kids

Session 3: Museum Exhibit

Video Resources	
Different Kinds of Museums (15:00)	Longer video talking about the different types of museums and their content
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	
Virtual Children's Museum Visits	A list of 10 children's museums you can visit virtually
Virtual Art & History Museum Tours	A list of 20 art and history museums you can visit virtually

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
Mayhem at the Museum: A Book in Pictures by Luciano Lonzano	Wordless picture book about a girl interacting in an art museum
Vocabulary Resources	
Museum Definition	Vocabulary definitions from Britannica Kids
Exhibit Definition	Vocabulary definitions from Britannica Kids
Artifact Definition	Vocabulary definitions from Britannica Kids

Session 4: Theater Show

Video Resources	
What is Theater? Young Explorers (2:14)	Video on the various parts of theater – cast and crew and their jobs
Get Up & Go Play!: Outdoor Theater Performance Young Learners (2:06)	Video on being in a theater performance outdoors
Web Resources	
Reader's Theater Scripts for K-2	Article on using reader's theater and some scripts for implementing
Drama Activities for Students	Several lessons for practicing and learning about theater performances
Book Resources	
Maisy Goes to a Show by Lucy Cousins	A short picture book about going to a theater performance
The School Play (Little Critter) by Mercer Mayer	A short picture book about performing in a school play
Vocabulary Resources	
Theater Definition	Vocabulary definitions from Britannica Kids
Special Effects Definition	Vocabulary definitions from Kiddle
Props Definition	Vocabulary definitions from Kiddle

Session 5: Your Own Show

Video Resources	
Spoons Music Arts Toolkit (1:39)	A video showing kids how they can perform with something as simple as spoons

Web Resources	
30 Creative Show and Tell Ideas	Ideas for themes for show and tell days
Benefits of Performing Arts on Kids	Article on how the performing arts benefit kids
Book Resources	
Giant Dance Party by Betsy Bird	Picture book about a little girl that loves dancing but not performing on stage but overcomes it
Isabella, Artist Extraordinaire by Jennifer Fosberry	Picture book about a little girl who makes a lot of art and shows it off in her home for her family
Vocabulary Resources	
Innovation Definition	Vocabulary definitions from Britannica Kids
Functional Definition	Vocabulary definitions from Britannica Kids
Movement Definition	Vocabulary definitions from Britannica Kids

Session 6: Behind the Scenes

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
Day at Work: Art Curator (2:55)	Hear an art curator describe their day to day job
Web Resources	
Different Types of Jobs in a Museum	An article on the possible jobs within a museum
Book Resources	
Let's Make a Movie by David Gordon Green	Picture book about kids making a movie and all that goes into it
Vocabulary Resources	
Stage Manager Definition	Vocabulary definitions from Academic Kids
Curator Definition	Vocabulary definitions from Britannica Kids
Projector Definition	Vocabulary definitions from Britannica Kids

Session 7: The Audience

Video Resources	
How to Make Museums Accessible for People with Disabilities? (0:30)	A short video with tips about making sure all kinds of people can access the museum content

Web Resources	
Preparing Your Kids for a Performance	Article on how to prepare your students for a performance
Book Resources	
It's Showtime!: A Pepper and Frannie Story by Catherine Lazar Odell	A picture book about two friends, one who loves to perform and one with stage fright
Moses Goes to a Concert by Isaac Millman	A picture book about a deaf boy and his class who go to a concert
Vocabulary Resources	
Audience Definition	Vocabulary definitions from Britannica Kids
Interesting Definition	Vocabulary definitions from Britannica Kids
Accessible Definition	Vocabulary definitions from Britannica Kids

Session 8: Places of the Future

Video Resources	
Why Can't We Hear Sound in Space (4:04)	Video talking about what sound is and why we cannot hear is in space
Museums Test New Technology, Interactive Exhibits (2:18)	Video talking about interactive exhibits and how they enhance the exhibits for visitors
Web Resources	
3D Printing—Bringing Theatre to Life in a New Way	Carnegie Mellon article on using 3D printing in theater
Vocabulary Resources	
Future Definition	Vocabulary definitions from Britannica Kids
Combine Definition	Vocabulary definitions from Britannica Kids
Iterate Definition	Vocabulary definitions from Britannica Kids

Session 9: Dress Rehearsal

Video Resources	
Jessi has a Problem! (5:06)	Video by SciShow Kids about the engineering design process
Iteration in the Design Process (1:06)	Video by Science Buddies on the importance of failure and improving your design
Book Resources	
Jack's Worry by Sam Zuppardi	A picture book on the worry and nerves people feels before performing

Vocabulary Resources

Improve Definition	Vocabulary definitions from Britannica Kids
Reflect Definition	Vocabulary definitions from Britannica Kids
Iterate Definition	Vocabulary definitions from Britannica Kids

Session 10: Let's Celebrate

Video Resources

Celebrate - GoNoodle Dance Along Song (2:34)	Video and song to play for students to dance along to
Hosting a Celebration Event (1:16)	Video by LEGO Education on the basics of hosting an event

Web Resources

Customizable Student Certificates	Printable certificates to award to each student
Event Introduction	A very high-level overview of what the celebration event will look like

Career Resources

General Career Resources

Visit the Learning Lab and search careers from A-Z	PBS Learning Media
Amazon Future Engineer Class Chat	Amazon
O*NET OnLine	United States Department of Labor
Career Exploration Lesson Plans	Nebraska Department of Education
Career Resources for Elementary Grades P-5	Workforce Solutions
Career Exploration	Career profiles from the United States Bureau for Labor and Statistics
Career Exploration Kahoot Course	Kahoot Courses for learning about careers and how <i>FIRST</i> prepares you for your future

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 where to get the experience necessary for certain music careers

Working in Theater	Various videos on the jobs you can have working in theater –technical and nontechnical
Film School & Careers in Film: How to Become a Filmmaker	Article covering the ways to work in the film industry including the schooling opportunities
MUSEUM CAREERS 101 Types of Museums (14:37)	Video giving an overview of the various careers in museums
Highest Paid Museum Careers Part 1 Museum Career Ideas (7:59)	Video discussing the skills and interests for those who want to work in museums

Additional Resources

Extension Activity Resources	
FIRST at Home	These free activities supplement the <i>FIRST</i> season materials
What is a Robot?	Lesson plan from PBS Learning Media
Wild-Inspired Robotic Arms	Video, background reading, and lesson plan from PBS Learning Media
Engineering for Good	Project-based Unit from PBS Learning Media
Books on Inventors	Inventive Kids
Invention Education Curricula	Links to invention-focused lesson plans from Invent Ed
Drawing Designs in Detail	Hands-on activity plan from teachengineering.org

FIRST IN SHOW

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