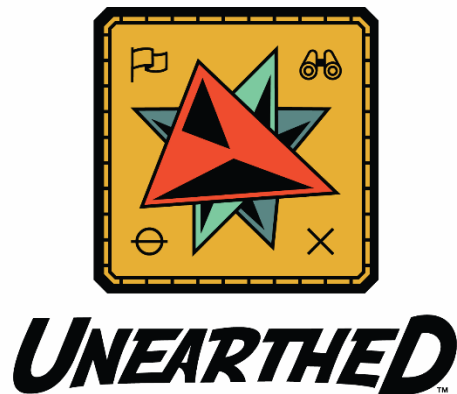




Multimedia Resources



FIRST® LEGO® League Explore Multimedia Resources

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

This document contains links to third-party websites which may contain articles, images, text, graphics, video, applications, software, and other content belonging to or originating from the content creators. While we conduct an initial review of such websites, FIRST is not responsible for any third-party content accessed through this guide, including its accuracy, appropriateness, completeness, offensiveness, opinions, reliability, privacy policies, or other practices of these sites. If you visit any of the sites listed in this guide, or share this third-party content with others, you do so at your own risk. You should review the applicable terms and policies, including privacy and data gathering practices, of any website to which you navigate.

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 Explore: How It Works	Getting Started with FIRST LEGO League Explore video
FIRST LEGO League YouTube Channel	UNEARTHED 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 Replacement Parts	FIRST LEGO League Support Videos
Coach and Mentor Resources		
FIRST Youth Protection	FIRST Mentor Network	FIRST Volunteer Resources
Educator Resources		
Skills Progression	Standards Alignments	Scope and Sequence Options
FIRST Certified Professional Development	FIRST Education Philosophy	

LEGO Education Resources		
Self-Guided Professional Development	LEGO Education Teacher Community	LEGO Education Additional Lesson Content for SPIKE Essential and WeDo 2.0
Social Impact Resources		
FIRST Mentoring and Coaching with FIRST videos	Inclusive Recruitment & Enrollment Strategies	Additional Training & Resources

UNEARTHED Season Resources

[Season resources](#) page includes:

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

Core Values 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	

Robotics Resources

FIRST at Home activities	A variety of free resources, 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

Team Management and Goal Setting Resources

How to Do Goal Setting With Your Students This School Year	Article from Weareteachers.com about setting goals with your students
How To Set Goals (4 Easy Steps) (4:40)	Video from Rocket Kids about ways to set goals
LearnStorm Growth Mindset: How to write a SMART goal (2:52)	Video from Khan Academy about writing SMART goals
Keeping Organized	Tips from Droid Robotics on staying organized
The 9 Best Online Tools For Student Collaboration	Article from Weareteachers.com with great tools for student collaboration digitally

Robot Design Resources

Technical Resources	Links to technical resources for Explore
Yoshihito Isogawa's YouTube Channel	SPIKE Essential building ideas from the author

Engineering Design Process, Design, and Computational Thinking

What is Computational Thinking?	Article by Teach Your Kids Code about coding
The Engineering Process: Crash Course Kids #12.2 (5:16)	Video by Crash Course Kids to explain the engineering design process to your students
Engineering Design Process Curriculum	Various lessons from Teach Engineering.org
Design Thinking Resources for Educators	Article by Innovation Training for educators to understand design thinking
Design Thinking: A Problem Solving Framework (5:22)	Video from Edutopia providing examples of design thinking for educators

LEGO Education SPIKE Essential Resources

- [Software Download](#)
- [FIRST LEGO League Explore Unit](#)
- [Getting Started with SPIKE Essential](#)
- [SPIKE Essential Unit Plans](#)
- [Product Support Resources](#)

LEGO Education WeDo 2.0 Resources

- [Getting Started with WeDo 2.0](#)
- [Download WeDo 2.0 Software and View System Requirements](#)
- [WeDo 2.0 Product Support](#)
- [WeDo 2.0 Lessons](#)

UNEARTHED Session Resources

Session 1: Archaeology Adventure

Video Resources	
Archeologists - Career Spotlight (2:48)	Short video about working as an archaeologist
Shows and Tells Archaeology Full Episode The Magic School Bus (24:54)	Full episode of the Magic School Bus on YouTube
Web Resources	
Merriam Webster: Archaeology Words	A list of common words used in the field of Archaeology
Book Resources	
"Archaeologists Dig for Clues" by Kate Duke	Engaging nonfiction picture book follows a team of archaeologists as they explore a dig site, explaining tools, techniques, and what they learn from buried objects

Session 2: Relic Rescue

Video Resources	
Solving Mysteries with Archaeologists! (4:36)	SciShow video exploring the mysteries solved by archaeologists
Web Resources	
Archeology for Kids - Archeology (U.S. National Park Service)	Overview of a variety of archaeology concepts from the US National Park Service
Archaeology Kids Discover Online	Activities and graphics related to archaeology

Book Resources

"Dig It! Archaeology for Kids" by Caitlin Sockin

A book about general archaeology facts

Session 3: Site Surveyors

Video Resources

[Layers Of Soil - The Dr. Binocs Show | Best Learning Videos For Kids | Peekaboo Kidz](#) (3:56)

Video introducing and exploring different layers of soil and conditions archaeologists might encounter

Web Resources

[Into the Field: Archaeology | Into the Field: Archaeology | PBS LearningMedia](#)

Activities and lessons from PBS Learning

Book Resources

"Digging Up History: Archaeologists" by Judy Monroe Peterson

Looks at the work of archaeologists and where they make discoveries.

Session 4: Dirt Detectives

Video Resources

[Amelia the Archaeologist - Instagram](#)

Photos and videos from Amelia the Archaeologist on Instagram

Web Resources

[Making a Field Journal | AMNH](#)

Guide to creating a field journal from the American Museum of Natural History

Book Resources

"Detective Dinosaur" by James Skofield

Features a detective solving mysteries. Perfect for introducing the idea of using clues.

Session 5: Excellent Excavators

Video Resources

"Digging In The Dirt!" Construction Vehicles Dance Danny Go! Movement Activity Songs for Kids (3:35)	Danny Go! explores using construction vehicles to dig in the dirt.
Web Resources	
Excavator Facts for Kids	Images and information on the types of vehicles used at an archaeological dig site
Archaeology Kids Discover Online	Activities and graphics related to archaeology
Book Resources	
"Count the Construction Vehicles" by Jasper Daesdonk	I Spy book with lots of different vehicle types to be identified for use at an archaeological site.

Session 6: Signal Seekers

Video Resources	
Learn Radar for Kids Learn About Science for Kids	Video introducing the idea of radar which is used in archaeology to locate artifacts
Web Resources	
Artifacts	National Geographic link to look at artifacts and the tools used to discover them
The Archaeology Tools Guide - Women In Archaeology	An article discussing the various tools used by archaeologists in a variety of settings

Session 7: History Helpers

Web Resources	
Archaeology Kids Discover Online	Activities and graphics related to archaeology including different jobs
Archeology for Kids - Archeology (U.S. National Park Service)	Overview of a variety of archaeology concepts from the US National Park Service

Session 8: 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 Team 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

Session 9: Team Poster

Video Resources	
Sessions 10 & 11 - Poster (0:42)	Video of <i>FIRST</i> LEGO League Explore Poster. This session was formerly numbered 10 & 11.
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 10: 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

Additional Resources

Extension Activity Resources	
What is a Robot?	Lesson plan from PBS Learning Media
Wild-Inspired Robotic Arms	Activities 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 lesson plans from Invent Ed
Drawing Designs in Detail	Hands-on activities from teachengineering.org

