

**FIRST
LEGO
LEAGUE**

EXPLORE

ENGINEERING NOTEBOOK



Core Values

Draw or write an example of your team using each Core Value when directed in the sessions.

You will develop new skills as you work together.

DISCOVERY

We explore new skills and ideas.

INCLUSION

We respect each other and embrace our differences.

INNOVATION

We use creativity and persistence to solve problems.

TEAMWORK

We are stronger when we work together.

IMPACT

We apply what we learn to improve our world.

FUN

We enjoy and celebrate what we do!

Session 1

Activity 1 Tasks

- ☐ Gather with your team and pick a team name for the UNEARTHED™ season.
- ☐ Look at the Explore story on page 4. Look closely at each picture and think about what the characters might be thinking or doing.
- ☐ Share what you know about archaeology with your team.
- ☐ Write or draw what your team shared.
- ☐ List your team goals on page 6.

Your team needs:

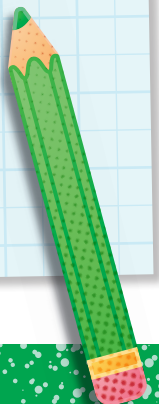


What words do you know that relate to archaeology?

What happened in the Explore story?



Archaeologists are scientists that study how people lived in the past!

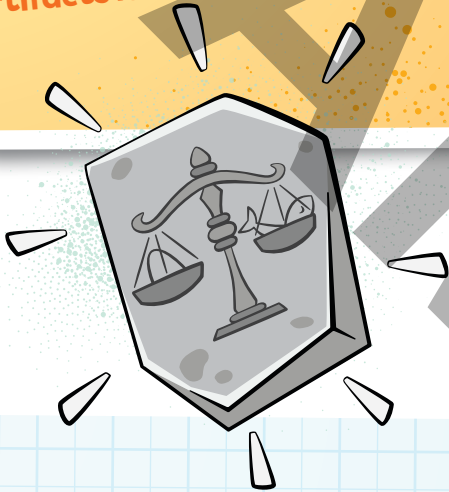


Your team needs:



The prototyping pieces from the Explore set are in Bags 7-12. They will be used in building activities.

Sometimes archaeologists don't have all the information they need to rebuild an artifact. Technology can be used to imagine what artifacts looked like in the past.



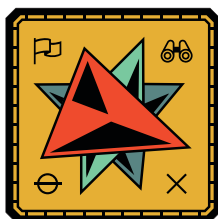
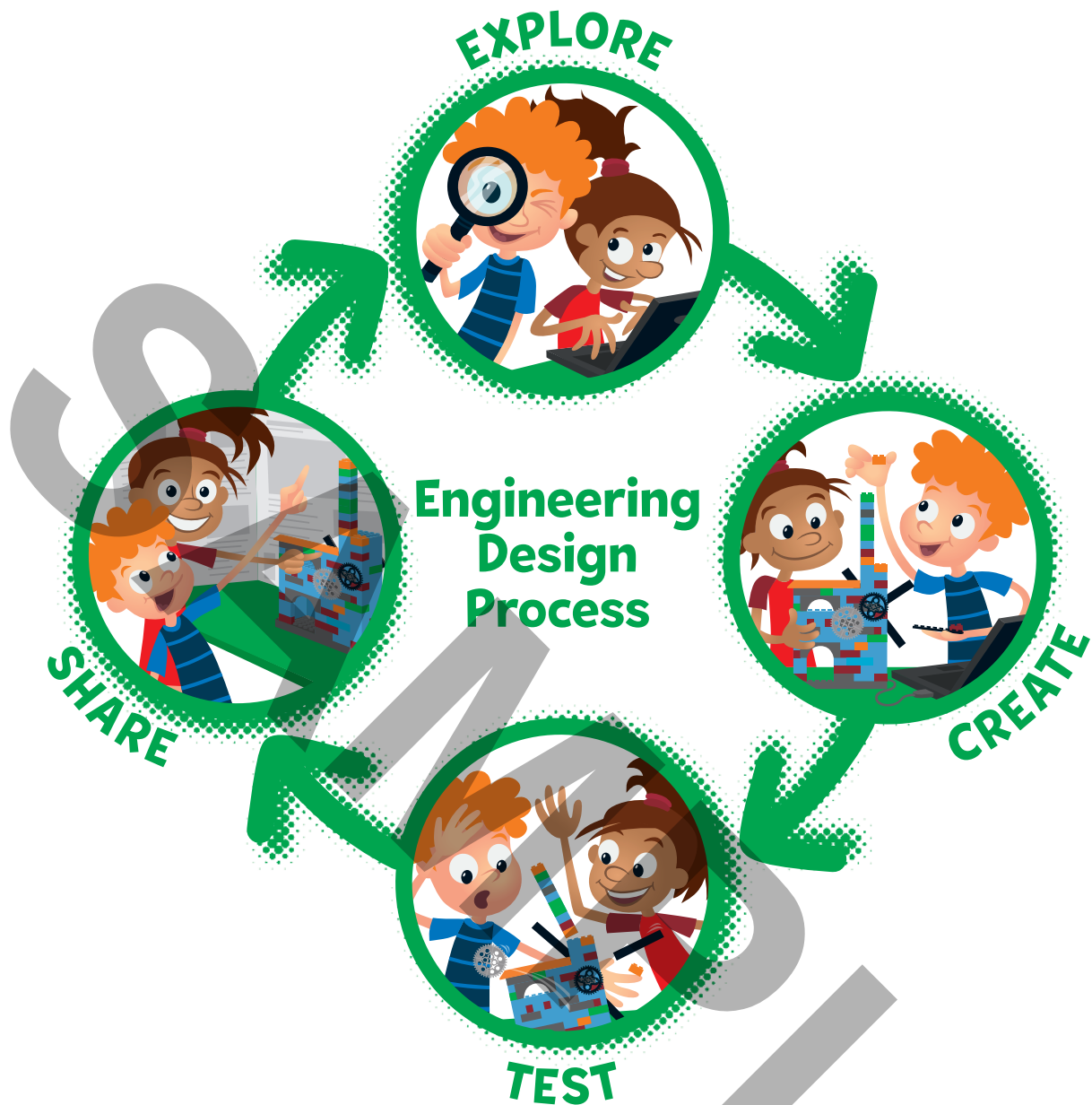
Archaeology Adventure

Activity 2 Tasks

- ☐ Divide your team into two groups and share the prototyping pieces.
- ☐ Build a small artifact. What did your teammates build?
- ☐ Put the artifact on the mat.
- ☐ Draw a picture of the artifact you built.

Challenge

- ☐ Take the artifact apart and trade your pieces and drawing with another group.
- ☐ You are an archaeologist who made an amazing discovery. The artifact you found is in many pieces and needs to be put back together. A drawing of the artifact was found. Will it help you put it back together?
- ☐ Rebuild the artifact based on the drawing. Did your group rebuild the artifact correctly?



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