

**FIRST[®]
LEGO[®]
LEAGUE JR.**

TEAM MEETING GUIDE



2000465





FIRST® Core Values and the Engineering Design Process

FIRST® Core Values

Throughout your season, use the FIRST® Core Values as a guide for your team:

FIRST® Core Values

- **Discovery:** *We explore new skills and ideas.*
- **Innovation:** *We use creativity and persistence to solve problems.*
- **Impact:** *We apply what we learn to improve our world.*
- **Inclusion:** *We respect each other and embrace our differences.*
- **Teamwork:** *We are stronger when we work together.*
- **Fun:** *We enjoy and celebrate what we do!*

One or more of these Core Values are featured in each session of the *Team Meeting Guide*. During or after any session, ask your team members any of the questions below to help them think about how they are using the Core Values.

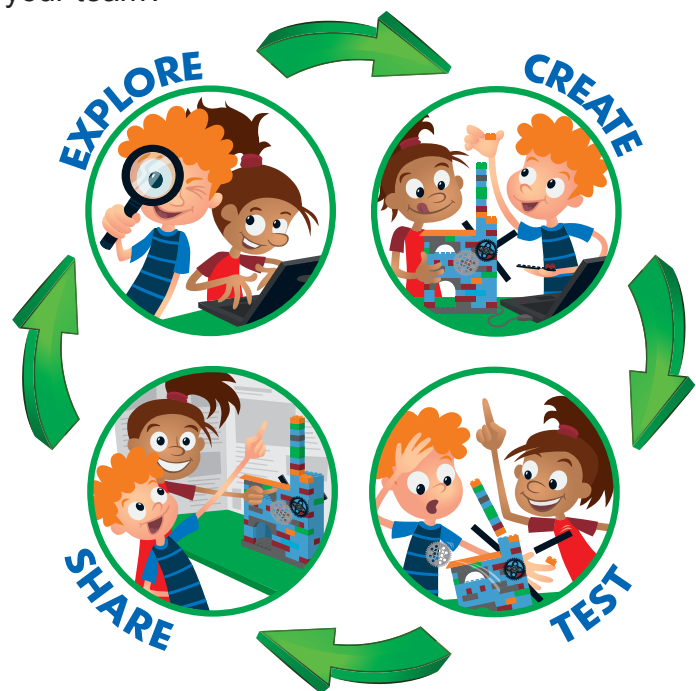
- What new skills and ideas have you learned?
- What problems have you solved? How did you solve them?
- How could you use what you have learned to make the world a better place?
- How do you show respect for everyone on your team?
- How do you work together as a team?
- What do you enjoy most about being on your team?

Engineering Design Process

Your team will use the engineering design process during each session as they work on the BOOMTOWN BUILDSM Challenge. The four parts of the process are:

- *Explore* a problem.
- *Create* one or more solutions.
- *Test* the solutions.
- *Share* what you learn.


Emphasize to the children that there is no set order for this process. They might go through some or all of the parts multiple times in a single session.

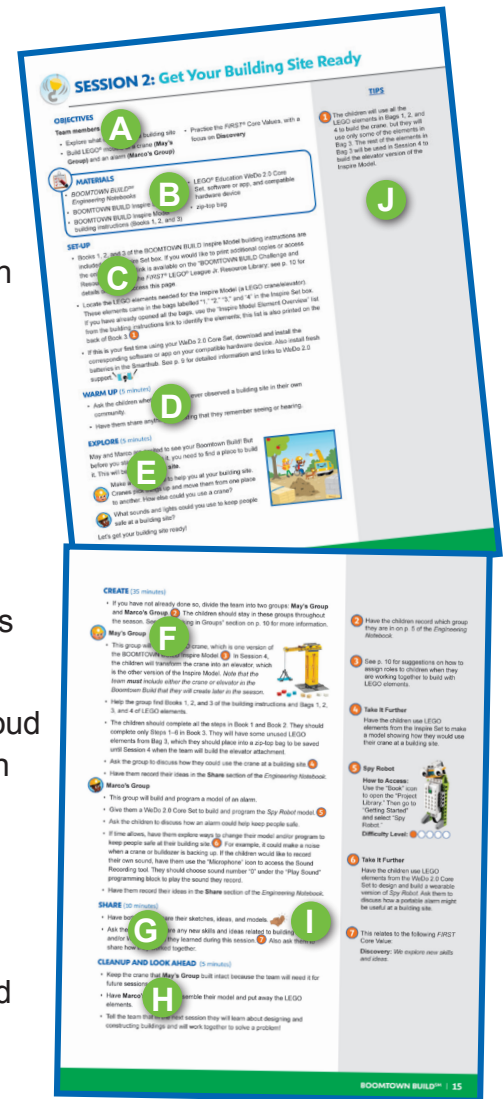




How to Use the *Team Meeting Guide*

There are 12 sessions outlined in the *BOOMTOWN BUILDSM Team Meeting Guide*. In general, plan for one team meeting lasting about an hour to complete each session. Note that at least two hours are suggested to create and program the Boomtown Build (Sessions 8–9) and to create the *Show Me* poster (Sessions 10–11). Each session is organized as follows:

- A.) The **Objectives** outline what the team should accomplish during the session.
- B.) The **Materials** list outlines the resources needed for the session. For more information on the materials you will need for your team, see pp. 8–9.
- C.) The **Set-Up** section details anything special that you will need to do or prepare prior to the start of the session.
- D.) The **Warm Up** is a brief activity to help the children focus and build teamwork skills at the start of the session.
- E.) Each session has an **Explore** section that can be read aloud by you and/or the children to build reading comprehension skills and introduce the context of the session.
- F.) The **Create** portion of the session includes a step-by-step list of what the team should do during the session. In most sessions, the children will work in small groups on separate tasks. The two groups are **May's Group** and **Marco's Group**. See p. 10 for more information.
- G.) Allow at least 10 minutes for the **Share** section, during which the children should share their sketches, ideas, and LEGO® models with one another.
- H.) Be sure to allocate at least 5 minutes at the end of each session for the **Cleanup and Look Ahead** section. Children should disassemble and put away the LEGO elements for any models that they will not need anymore. Share the information about the next session to get the children excited about what is coming up.
- I.) The **Applause** icon  appears any time that the children should give one another positive encouragement or applause, such as after they share an idea with the group. This helps to reinforce the *FIRST*® Core Values.
- J.) The **Tips** offer additional information to help you lead each session as successfully as possible. They include discussion questions, directions for how to access the suggested WeDo 2.0 models within the software/app, **Take It Further** ideas, and more.



What if I don't have time to do all 12 sessions?

No problem! The *Team Meeting Guide* includes detailed suggestions for 12 sessions to guide your team through the entire BOOMTOWN BUILD season. Although completing all the sessions is encouraged, it is not required. You may help your team complete the BOOMTOWN BUILD Challenge any way you like as long as the children explore the Challenge topic, create a Boomtown Build and *Show Me* poster, and share their work with others.

Below are suggestions for which sessions to complete if your team can meet only six or nine times.

Six Team Meetings

Meeting 1



Welcome to Boomtown

Meeting 2



Get Your Building Site Ready

Meeting 3

Choose *one* of the following:



Make It Accessible



Make It Environmentally Friendly



Make It Durable

Meeting 4



Create Your Boomtown Build

Meeting 5



Make Your *Show Me* Poster

Meeting 6



Prepare to Share

Nine Team Meetings

Meeting 1



Welcome to Boomtown

Meeting 2



Get Your Building Site Ready

Meeting 3



Be an Engineer

Meetings 4 and 5

Choose *two* of the following:



Make It Accessible



Make It Environmentally Friendly



Make It Durable



Keep Exploring

Meetings 6 and 7



Create Your Boomtown Build

Meeting 8



Make Your *Show Me* Poster

Meeting 9



Prepare to Share