

Junior FIRST® LEGO® League Team Meeting Guide

CURRICULUM Grid International Standards

Code	Standard	Think About It!		Learn About It!				Build It!				Share It!		
		Session 1	Session 2	Session 1	Session 2	Session 3	Session 4	Session 1	Session 2	Session 3	Session 4	Session 1	Session 2	
English Language and Literacy (National Curriculum of England, Key Stage 1, Year 2)														
Reading- Comprehension (R-C)														
2.R-C.1.a	Develop pleasure in reading, motivation to read, vocabulary and understanding by listening to, discussing and expressing views about a wide range of contemporary and classic poetry, stories and non-fiction at a level beyond that at which they can read independently.				■	■								
2.R-C.1.b	Develop pleasure in reading, motivation to read, vocabulary and understanding by discussing the sequence of events in books and how items of information are related.				■	■	■	■						
2.R-C.1.d	Develop pleasure in reading, motivation to read, vocabulary and understanding by being introduced to non-fiction books that are structured in different ways.				■	■								
2.R-C.2.d	Understand both the books that they can already read accurately and fluently and those that they listen to by answering and asking questions.				■	■	■	■						

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2.R-C.3	Participate in discussion about books, poems and other works that are read to them and those that they can read for themselves, taking turns and listening to what others say.				■	■	■	■					
2.R-C.4	Explain and discuss their understanding of books, poems and other material, both those that they listen to and those that they read for themselves.				■	■	■	■					
Writing- Composition (W-C)													
2.W-C.1.c	Develop positive attitudes towards and stamina for writing by: Writing about real events.				■	■	■						■
2.W-C.2.a	Consider what they are going to write before beginning by: Planning or saying out loud what they are going to write about.				■		■						■
2.W-C.4	Read aloud what they have written with appropriate intonation to make the meaning clear.				■		■						■ ■
Spoken Language (SL)													
1-6.SL.1	Listen and respond appropriately to adults and their peers.		■			■	■	■					■
1-6.SL.2	Ask relevant questions to extend their understanding and knowledge.		■			■	■	■					■
1-6.SL.3	Articulate and justify answers, arguments and opinions.		■			■	■	■					■
1-6.SL.5	Maintain attention and participate actively in collaborative conversations, staying on topic and initiating and responding to comments	■	■	■	■	■	■	■	■	■	■	■	■ ■
1-6.SL.6	Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas				■	■	■	■				■	■ ■
1-6.SL.8	Participate in discussions, presentations, performances, role play, improvisations and debates.					■							■

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Numeracy and Mathematics (National Curriculum of England, Key Stage 1, Year 2)														
Geometry- Properties of Shapes (G-PS)														
2.G-PS.4	Compare and sort common 2-D and 3-D shapes and everyday objects.									■	■	■		
Statistics (S)														
2.S.1	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables											■	■	
Science (ISTE NETS Standards)														
1. Creativity and Innovation														
Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.														
1.a	Apply existing knowledge to generate new ideas, products, or processes.									■	■	■	■	
1.b	Create original works as a means of personal or group expression.									■	■	■	■	
1.c	Use models and simulations to explore complex systems and issues.									■			■	
2. Creativity and Collaboration														
Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.														
2.a	Interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media.				■	■	■	■					■	■
2.b	Communicate information and ideas effectively to multiple audiences using a variety of media and formats.							■						■
2.d	Contribute to project teams to produce original works or solve problems.	■	■	■	■	■	■	■	■	■	■	■	■	■
3. Research and Information Fluency														
Students apply digital tools to gather, evaluate, and use information.														
3.a	Plan strategies to guide inquiry.			■	■					■	■			

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3.b	Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.				■	■	■	■					
3.c	Evaluate and select information sources and digital tools based on the appropriateness to specific tasks.					■	■						
3.d	Process data and report results.						■				■		
4. Critical Thinking, Problem Solving, and Decision Making Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.													
4.b	Plan and manage activities to develop a solution or complete a project.							■	■	■	■		■
4.c	Collect and analyze data to identify solutions and/or make informed decisions.						■				■		
4.d	Use multiple processes and diverse perspectives to explore alternative solutions.				■	■	■	■	■				
6. Technology Operations and Concepts Students demonstrate a sound understanding of technology concepts, systems, and operations.													
6.a	Understand and use technology systems.							■	■	■	■		
6.b	Select and use applications effectively and productively.							■	■	■	■	■	
6.c	Troubleshoot systems and applications.										■		
6.d	Transfer current knowledge to learning of new technologies.						■		■				