

LEGO® Education BuildToExpress Building Challenge List

Curriculum Subject/Strand	Building Challenge: Build a model that represents . . .	2nd-3rd Grades	4th-5th Grades
English Language Arts			
Reading for Literature	Your favorite fictional character.	•	
	What you think is the setting from a story you have read.	•	
	A new (character/event/setting/ending) in a story that would make it more exciting.	•	
	What would be different about this story if (hypothetical situation) happened.	•	•
	What you think would happen to the main character or villain after the story ends.	•	•
	How you think (character) responded to (event) happening in the story.	•	•
	How you think a story written by one author is different from or similar to a story written by a different author.	•	•
	A suspenseful or exciting event from a story you have read.		•
	A character from a story you would like to meet or talk with and why.		•
	How a character from a story is similar to or different from you or someone you know.		•
	What you think about when you read a particular quote from a story or poem.		•
Reading for Informational Text	An important piece of information from a newspaper article you have read in class.	•	
	A time when reading instructions is important.	•	
	Two different events from an article you have read and how you think one led to the other.		•
	How you feel (when/in a situation where) you read for (fun/information).		•
	The difference between reading something written now and something written 100 years ago.		•
	What you think is the meaning of a particular word used in a text.		•
	What makes something “easy” to read or “challenging” to read.		•
Reading Foundation Skills	How you communicate with a friend or family member who lives far away.	•	
	How you felt the first time you read something by yourself.	•	
	You using clues other than words on the page to find information.	•	•
	A strategy to help you remember what you have read.		•

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Reading Foundation Skills	How you feel when you are asked to read out loud.		•
	What makes something easy or interesting to listen to when it is being read aloud.		•
Writing	Something (exciting/interesting) that you would like to write a (story/journal/ comic strip) about.	•	
	How you learned to (ride a bike/bake a cake/throw a ball).	•	
	A story one of your classmates told you today.	•	
	A situation in which writing (a note/journal) has helped you say something important.		•
	Something about your writing that you would like to improve.		•
	A prediction about what will happen in an upcoming chapter of a book or story.		•
	Something that you read in an article using (ten/eight/five) LEGO® elements.		•
Language	The difference between two (homonyms/opposites).	•	
	Your favorite descriptive word.	•	
	The meaning of a new word you invented.	•	•
	How you find out the meaning of a word or sentence you don't understand.		•
	A situation in which formal language is required and a situation in which you can speak casually.		•
	A situation in which learning new vocabulary is important.		•
Speaking and Listening	You asking a (character/historical figure) about his or her life experiences.	•	
	How to be a good listener.	•	
	How to remember details from a story or conversation.	•	•
	The most interesting thing about a classmate's presentation.		•
	Something you can do to make public speaking easier.		•
	What it means to be an active listener.		•
Mathematics			
Operations and Algebraic Thinking	Your teacher/classmate making an estimate about a group of objects.	•	
	A time when you have used (addition/subtraction/multiplication/division) to solve a real-life problem.		•

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Geometry	You organizing objects into groups by (shape/size/lines/angles).	•	•
	You using geometry to (find something/get somewhere).	•	•
Science			
Physical Sciences	You or someone you know using a simple machine to make daily tasks easier.	•	
	What life would be like if the force of gravity on Earth were different.	•	
	Something you do every day that changes matter.	•	•
	One way that your body can use and transfer energy.		•
	How you use one of your senses to learn about the world around you and what it tells you.		•
Life Sciences	Why you need to know how the water cycle works and how the water cycle affects your daily life.	•	
	What your life would be like if you were magically changed into a different organism (such as a plant/mammal/reptile/insect/bird/fish).	•	•
	A new type of plant that could live in a particular type of environment.		•
	The relationship between two different organisms in one ecosystem.		•
	A situation where an organism would need to move or change its habitat or one of its behaviors.		•
Earth and Space Sciences	A way you can help protect your local environment.	•	
	How life would be different if we lived on the bottom of the ocean.	•	
	Why it is important to learn about the Sun, Moon, and stars.	•	
	Why it is important to know how the solar system works.		•
	A model of yourself as a (volcano/earthquake/hurricane/tornado) and how you affect your environment.		•
	Your ideas on the relationship between two of Earth's major systems (such as geosphere/hydrosphere/atmosphere/biosphere).		•
	Something you have learned from looking closely at a (rock/plant/water sample).		•
	How extreme weather affects the lives of people who live in your community.		•
	How your life would be different if a particular natural resource was no longer available.		•
Engineering, Technology, and Applications of Science	A problem that someone you know faces that can be solved with technology.	•	
	You using a tool that someone invented to learn more about the natural world.	•	•

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Engineering, Technology, and Applications of Science	What an adult in your community would think about a current technology that you use.		•
	Yourself solving an engineering problem and the positive or negative effects of using your idea.		•
	How you think people should decide which technologies to (create/invest in/ purchase).		•
Social Studies			
History	An era in history that you would like to visit and why.	•	
	An historical figure with whom you would most like to have lunch and why.	•	
	An ancient civilization you wish you could visit and why.	•	•
	A job from the past that you would like to have and why.		•
	Something that has changed in the daily lives of people in the last 100 years.		•
	You as (a person from history), a member of your family as (another person from history), and how that affects your family.		•
	How your life would be different if you were born in (a different time period).		•
Geography	The place in the world you would most like to live for one year and why.	•	
	A method of finding your way when you are lost.	•	•
	A topographical feature that affects life in your community.		•
	One way the natural resources in an area can affect the size of the population.		•
Economics	Something made in your community that you could introduce to the rest of the world.	•	
	You using something other than money to get the things your family needs.	•	
	A day in the life of one of your town leaders.	•	•
	One of the major challenges of meeting the needs of people in your community.		•
	How you would spend tax money in your community.		•
Citizenship	Something that you would want to add to your community and why.	•	
	The type of leader that you like to follow.	•	
	A new rule that you would like to see in your home town and why.	•	•

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Citizenship	How your life would be different if you lived in another country.		•
	Why it is important to care about your community.		•
	What freedom means to you.		•
	You being a responsible adult.		•
	You introducing a newcomer to your community.		•
Culture	You passing a tradition on to someone you know.	•	
	You teaching a friend about something important from your culture without writing it down.	•	
	What you want adults to know about your generation and why.		•
	A way in which diversity and multiculturalism has helped you.		•
	Something about your culture that makes you proud.		•
	How an adult from your community would represent your generation.		•
	You using a second language.		•
Science and Technology	Why you think creating new technology is (good/bad) and why.	•	
	A new way to travel.	•	•
	Your favorite (discovery/invention) made in your home country.		•
	How the technology your generation uses will be remembered in the future.		•
Character Education			
Conflict Resolution and Mediation	How you feel when someone disagrees with you.	•	
	A good way to stop two friends from arguing.	•	
	Why it is important to listen when someone disagrees with you.	•	
	Someone you would trust to help you resolve a conflict.	•	•
	A time you helped settle someone else's argument.	•	•
	How to handle a situation in which someone has made a mistake.		•

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Conflict Resolution and Mediation	What it feels like to be chosen (first/second/last) for an activity.		•
	How you know when someone is upset.		•
	How you can calm down when in a tense situation.		•
	How you can help two people understand each other during a conflict.		•
Reflection	Something you are good at.	•	
	What you do to be a good friend.	•	
	What other people think you are good at.	•	•
	Why it is important to go back and think about what happened before.		•
	A time when it is important to reflect on your actions.		•
Personal Expression	You using something other than words to express yourself.	•	
	How you feel when you get to share your ideas with others.	•	•
	What you do to show when you are (happy/mad/sad/frustrated/excited/nervous).	•	•
	Your favorite way to express yourself.		•
	How you feel about a particular (subject in school/type of task) that you are often asked to do and why.		•
Creative and Critical Thinking	You looking for more information or learning about something new.	•	
	A TV commercial that does not seem honest.	•	•
	An activity or part of your day that inspires new ideas.		•
	How you would explain the difference between a fact and an opinion.		•
Goal Setting	A goal you would like to achieve.	•	
	Someone you know who has accomplished something you respect.	•	•
	How you stay organized to meet your goals.		•
	How you prepare for a test or challenge.		•