

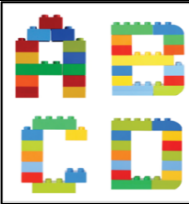

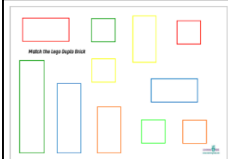

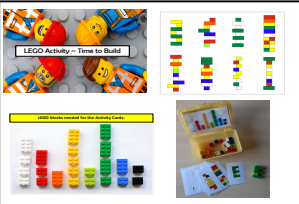


LEGO PROJECT



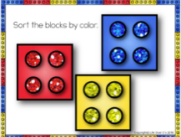

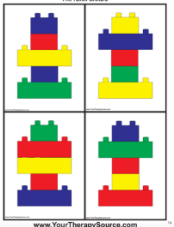




A COLLECTION OF ACTIVITIES & RESOURCES TO USE LEGOS AS INTERVENTION MATERIALS WITH K4-CYCLE 3 STUDENTS

NOTE:



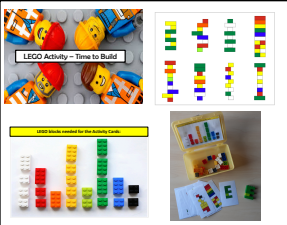
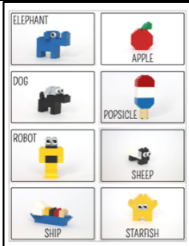

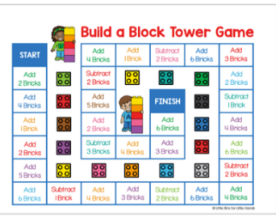


1. These resources are divided by age/cycle level. Numerous resources are beneficial, fun and to be enjoyed at different age/cycle levels.
2. Activities provided in the 'Starter Kit' are labelled with a number.
3. Additional suggestions, which cannot be shared directly, to respect copyright rules, we have shared the links to access them. We have labelled them with a letter and this section is shaded in gray.
4. Adult resources are in the last section.

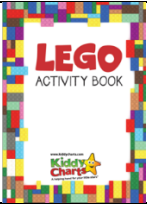





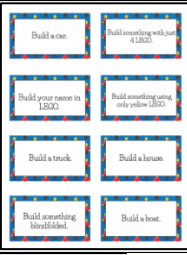

For K4-K5

	Image	Description	Link
#1		Alphabet LEGO cards	https://www.onebeautifulhomeblog.com/lego-duplo-alphabet-cards/
#2		Build A City Counting Game	https://www.learning4kids.net/2015/08/16/build-a-city-counting-and-subitising-game/
#3		Match the Duplo Block	https://www.learning4kids.net/2014/10/09/many-ways-play-lego-duplo-2/a
#4		Game board #1	wellofcourseshedid.blogspot.com
#5		Lego Box with Activity Cards	https://www.funathomewithkids.com/2014/06/diy-portable-lego-kit-with-free.html
#6		Lego-busy-box-printsables 	https://chaosandquiet.com/travel-lego-kit/

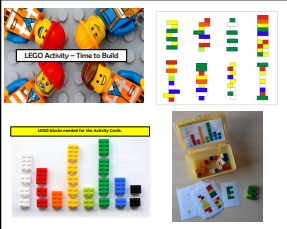
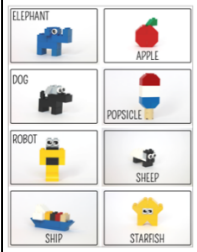






#7		LEGO Challenge Construction Cards	https://childhood101.com/printable-lego-challenge-cards/
A		Counting with lego and playdough	https://www.walkingbytheway.com/blog/counting-with-lego-and-playdoh/ Cards to download
B		A range of sorting activities	https://www.icanteachmychild.com/?s=lego+math+patterns Document to download
C		Six Duplo Math Games Stamp & Count DUPLO Math Game	https://frugalfun4boys.com/hands-on-duplo-math-games/ Website with a wide range of LEGO ideas and resources
D		Pattern Building with blocks	https://www.yourtherapysource.com/product/building-block-patterns-and-games/ Ebook of resources
E		3-D letter cards	https://www.adventure-in-a-box.com/product/lego-3d-alphabet-printable-cards/ Cards to download at cost of \$4, can print multiple sets
F		LEGO DUPLO animal alphabet cards	https://www.adventure-in-a-box.com/product/lego-duplo-animal-alphabet/ Free downloadable cards when you go to their website
G		Travel with LEGOs	https://allfortheboys.com/diy-lego-travel-box/
H		LEGO Pocket case	https://kidsactivitiesblog.com/62501/lego-pocket-case/

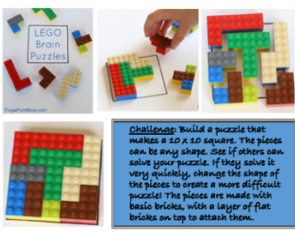


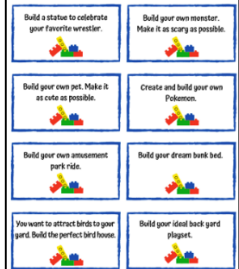


For Cycle 1



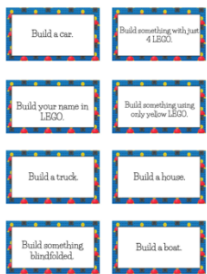




	Image	Description	Link
#2		Build A City Counting Game	https://www.learning4kids.net/2015/08/16/build-a-city-counting-and-subitising-game/
#4		Game board #1	wellofcourseshedid.blogspot.com
#5		Lego Box with Activity Cards	https://www.funathomewithkids.com/2014/06/diy-portable-lego-kit-with-free.html
#6		Lego-busy-box-printables	https://chaosandquiet.com/travel-lego-kit/
#7		LEGO Challenge Construction Cards	https://childhood101.com/printable-lego-challenge-cards/
#8		Build a Block Tower Game	https://littlebinsforlittlehands.com/lego-tower-game/
#9		Lego Challenge Lets Build Cards	https://www.artsyfartymama.com/
#10		LEGO Challenge Calendar 2020	https://littlebinsforlittlehands.com/lego-challenge-calendar-ideas-kids/





#11		LEGO Activity Book	https://www.kiddycharts.com/printables/lego-activity-book/ Downloadable resource with a range of math activities
E		3-D letter cards	https://www.adventure-in-a-box.com/product/lego-3d-alphabet-printable-cards/ Cards to download at cost of \$4, can print multiple sets
I		Learning to count with LEGO bricks	https://reneeatgreatpeace.com/lego-math/
J		LEGO re-grouping boards to help learn place value	https://reneeatgreatpeace.com/learning-place-value-lego-re-grouping-boards/
K		Lego Challenge Ideas Create your meal Create a scene Etc!	https://frugalfun4boys.com/lego-challenge-ideas/
L		Lego Challenges cycle 1	https://thestemlaboratory.com/lego-challenge-cards/
M		LEGO Challenge cards 2	https://www.freehomeschooldeals.com/free-printable-lego-challenge-cards/
N		Six Duplo Math Games Stamp & Count DUPLO Math Game	https://frugalfun4boys.com/hands-on-duplo-math-games/ Website with a wide range of LEGO ideas and resources

For Cycle 2

	Image	Description	Link
#5		Lego Box with Activity Cards	https://www.funathomewithkids.com/2014/06/diy-portable-lego-kit-with-free.html
#6		Lego-busy-box-printables	 https://chaosandquiet.com/travel-lego-kit/
#9		Lego Challenge Lets Build Cards	https://www.artsyfartsymama.com/
#10		LEGO Challenge Calendar 2020	https://littlebinsforlittlehands.com/lego-challenge-calendar-ideas-kids/
#11		LEGO Activity Book	https://www.kiddycharts.com/printables/lego-activity-book/ Downloadable resource with a range of math activities
#12		10 LEGO games to get kids moving	https://activeforlife.com/10-active-games-lego/
#13		Game board #2	wellofcourseshedid.blogspot.com

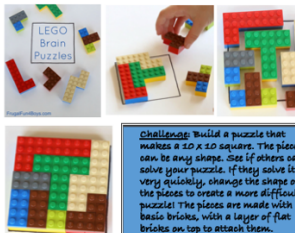


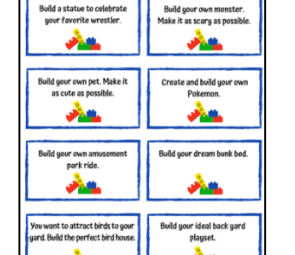
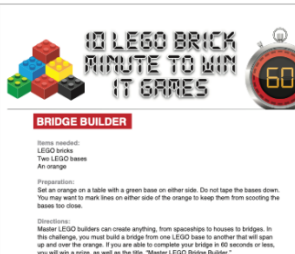

#14	 <p>LEGO Brain Puzzle</p> <p>Challenge: Build a puzzle that makes a 20 x 20 square. The pieces can be any shape. See if others can solve your puzzle. If they solve it very quickly, change the shape of the pieces to create a more difficult puzzle! The pieces are made with basic bricks, with a layer of flat bricks on top to attach them.</p>	LEGO Brain Puzzle	https://brightonbricks.com/blog-posts/2020/6/22/brightonbricksbuild-lego-marble-maze
#15	<p>Lego Marble Maze- Using Base Plates and Your Choice of Legos, Get Creative</p> 	Lego Marble Maze	https://brightonbricks.com/blog-posts/2020/6/22/brightonbricksbuild-lego-marble-maze
#16		<p>Lego Construction Ideas</p> <ul style="list-style-type: none"> • Build a Pinball game • Create a marble run • Create a racetrack 	<p>https://frugalfun4boys.com/build-lego-pinball-game/</p> <p>https://frugalfun4boys.com/lego-marble-run/</p> <p>https://frugalfun4boys.com/?s=build+a+race+track</p> <p>Website with a wide range of LEGO ideas and resources</p>
#17		<p>Lego Challenge Ideas for Kids & Planning Questions</p>	https://www.thewildwest3.com/lego-challenges-for-kids-ideas/
#18	 <p>10 LEGO BRICK Minute to Win It Games</p> <p>BRIDGE BUILDER</p> <p>Items needed: LEGO bases Two LEGO bricks An orange</p> <p>Preparation: Set an orange on a table with a green base on either side. Do not touch the bases down. You may want to mark lines on either side of the orange to keep them from sliding the bases too close.</p> <p>Directions: Master LEGO builders can create anything, from spaceships to houses to bridges. In this challenge, you must build a bridge from one LEGO base to another that will span up and over the orange. If you are able to complete your bridge in 60 seconds or less, you will win a prize. See what the kids' Master LEGO Design Team!</p>	10 Lego Brick Minute to Win It Games	https://www.childrens-ministry-deals.com/collections/minute-to-win-it-games/products/lego-themed-minute-to-win-it-games
#19		LEGO math challenge cards	https://www.myjoyfilledlife.com/product/lego-math-challenge-cards/


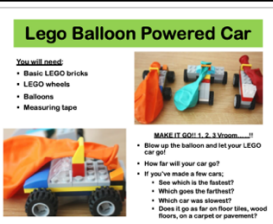
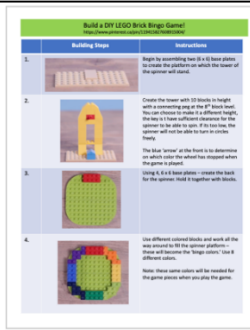
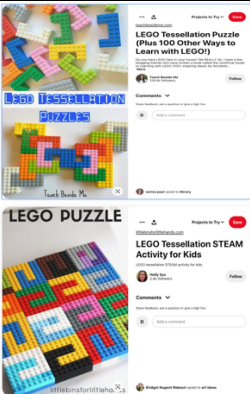



J	 <p>LEGO RE-GROUPING BOARDS</p> <p>Teach Place Value with these FREE Printable Download GreatPeaceAcademy.com</p>	Lego re-grouping boards to help learn place value	https://reneeatgreatpeace.com/learning-place-value-lego-re-grouping-boards/
K	 <p>LEGO Challenge Ideas</p>	Lego Challenge Ideas Create your meal Create a scene Etc!	https://frugalfun4boys.com/lego-challenge-ideas/ Website with a wide range of LEGO ideas and resources
M	 <p>Build a car. Build something with just 4 LEGOs. Build your name in LEGOs. Build something using only yellow LEGOs. Build a truck. Build a house. Build something blindfolded. Build a boat.</p>	LEGO Challenge cards2	https://www.freehomeschooldeals.com/free-printable-lego-challenge-cards/
P	 <p>Multiplying with LEGO Bricks Brick Grouping Boards</p>	Tools, boards to assist students in learning multiplication	https://reneeatgreatpeace.com/multiplying-with-lego-bricks/
Q	 <p>LEGO MURAL IDEAS Printable Building Cards</p>	LEGO Mural Building Cards	https://frugalfun4boys.com/lego-wall-ideas-building-cards/ Website with a wide range of LEGO ideas and resources
R	 <p>LEGO Mad Libs</p>	Printable Lego Activity Book	https://onemamasdailydrama.com/printable-lego-activity-book/ Document to download
S	 <p>LEGO CAR ART Engineering, Lego, and Art combine for awesome CREATIVE FUN!</p>	LEGO CAR ART	https://www.steampoweredfamily.com/activities/lego-car-art/ Website link








T		Build an Epic Lego Marble Run	https://frugalfun4boys.com/?s=Build+an+Epic+Lego+Marble+Run Website with a wide range of LEGO ideas and resources
U		Lego Challenge cards to encourage creativity 250 task cards that range from	https://thecanadianhomeschooler.com/lego-challenge-cards-printable/
V		A resource of monthly LEGO Quest Challenges	https://thecanadianhomeschooler.com/challenges/lego-quest-2/
W		LEGO Charades Print cards and dice to play	https://www.adventure-in-a-box.com/?s=lego+charades

For Cycle 3






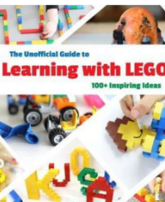
	Image	Description	Link
#10		LEGO Challenge Calendar 2020	https://littlebinsforlittlehands.com/lego-challenge-calendar-ideas-kids/
#12		10 LEGO games to get kids moving	https://activeforlife.com/10-active-games-lego/

#14	 <p>LEGO Brain Puzzles</p> <p>Challenge: Build a puzzle that makes a 20 x 20 square. The pieces can be any shape. Use whatever you solve your puzzle. If they solve it very quickly, change the shape of the pieces to create a more difficult puzzle! The pieces are made with basic bricks, with a layer of flat bricks on top to attach them.</p>	LEGO Brain Puzzle	https://frugalfun4boys.com/lego-brain-puzzles/ Website with a wide range of LEGO ideas and resources
#15	 <p>LEGO Marble Maze- Using Base Plates and Your Choice of Legs, Get Creative!</p>	LEGO Marble Maze	https://brightonbricks.com/blog-posts/2020/6/22/brightonbricksbuild-lego-marble-maze
#16		Lego Construction Ideas <ul style="list-style-type: none"> • Build a Pinball game • Create a marble run • Create a racetrack 	https://frugalfun4boys.com/build-lego-pinball-game/ https://frugalfun4boys.com/lego-marble-run/ https://frugalfun4boys.com/?s=build+a+race+track Website with a wide range of LEGO ideas and resources
#17		LEGO Challenge Ideas for Kids & Planning Questions	https://www.thewildwest3.com/lego-challenges-for-kids-ideas/
#18	 <p>10 LEGO BRICK MINUTE TO WIN IT GAMES</p> <p>BRIDGE BUILDER</p> <p>Items needed: LEGO bricks Two LEGO bases An orange</p> <p>Preparation: Set an orange on a table with a green base on either side. Do not tape the bases down. You may want to mark lines on either side of the orange to keep them from scooting the bases too close.</p> <p>Directions: Master LEGO builders can create anything, from spaceships to houses to bridges. In this challenge, you must build a bridge from one LEGO base to another that will span up and over the orange. If you are able to complete your bridge in 60 seconds or less, you will win a prize, as well as the title, "Master LEGO Bridge Builder!"</p>	10 Lego Brick Minute to Win It Games	https://www.childrens-ministry-deals.com/collections/minute-to-win-it-games/products/lego-themed-minute-to-win-it-games
#19		LEGO math challenge cards	https://www.myjoyfilledlife.com/product/lego-math-challenge-cards/

#20		30 Days of LEGO Play	https://thatbricklife.com/wp-content/uploads/2020/03/LEGO30daysofplay.pdf
#21		Lego Balloon Powered Car	https://www.mombrite.com/balloon-powered-lego-cars/
#22		LegoBrickBingoGame-DIY	https://www.pinterest.ca/pin/34199278410972951/ Please see the video, have fun building and creating your own version!
#23		LEGO Puzzles	Teachbesideme.com Littlebinsforlittlehands.com
K		Lego Challenge Ideas Create your meal Create a scene Etc!	https://frugalfun4boys.com/lego-challenge-ideas/ Website with a wide range of LEGO ideas and resources
P		Tools, boards to assist students in learning multiplication	https://reneeatgreatpeace.com/multiplying-with-lego-bricks/
Q		LEGO Mural Building Cards	https://frugalfun4boys.com/lego-wall-ideas-building-cards/ Website with a wide range of LEGO ideas and resources

R	 <p>LEGO Mad Libs Fold the page in half! Fill out the words on the left without peeking, unfold the paper and read the story, using the words in the blanks.</p>	Printable Lego Activity Book	https://onemamasdailydrama.com/printable-lego-activity-book/
S	 <p>LEGO CAR ART Engineering, Lego, & Art Combine For Awesome CREATIVE FUN!</p>	LEGO CAR ART	https://www.steampoweredfamily.com/activities/lego-car-art/
T	 <p>BUILD AN EPIC LEGO MARBLE RUN</p>	Build an Epic Lego Marble Run	https://frugalfun4boys.com/?s=Build+an+Epic+Lego+Marble+Run Website with a wide range of LEGO ideas and resources
U	 <p>Lego Challenges cards to encourage creativity over 250!</p>	Lego Challenge cards to encourage creativity – 250 task cards that range from	https://thecanadianhomeschooler.com/lego-challenge-cards-printable/
V	 <p>Join our monthly LEGO Quest Challenge!</p> <p>Open to all kids, everywhere! Just check the theme of the month and get designing!</p>	A resource of monthly LEGO Quest Challenges	https://thecanadianhomeschooler.com/challenges/lego-quest-2/
W	 <p>LEGO CHARADES</p>	LEGO Charades Print cards and dice to play	https://www.adventure-in-a-box.com/?s=lego+charades
X	 <p>Crazy Carnival Games</p>	STEAM Science-Crazy Carnival games	https://education.lego.com/en-us/lessons/spikeessential-crazy-carnival-games Website link with lots of ideas!

ADDITIONAL Links and Resources for ADULTS

	Image	Description	Link
*1		Teach a LEGO Class	http://www.homegrownlearners.com/home/2012/11/27/my-lego-gift-to-you.html
*2		The LEGO Games Book 50 fun brainteasers, games, challenges and puzzles	ISBN 978-1-4654-9786-4
*3		AWESOME LEGO CREATIONS with Bricks You Already Have by Sarah Dees	ISBN 978-1-62414-281-9
*4		Learning with Lego	https://www.walkingbytheway.com/blog/lego-unit-lapbook/ A range of resources to download for your classroom
*5		LEGO Learning	https://www.walkingbytheway.com/blog/learning-with-legos-junior-version/ Junior version, applicable to K and cycle 1 students. A package of resources to download for your classroom
*6		The Unofficial Guide to Learning with Lego: 100 + Inspiring Ideas by Nicolette Roux	ISBN: 1943730180 ISBN13: 9781943730186