

Logic will take you from A to B.
Imagination will take you everywhere.
-Einstein



LITTLE BINS
BY LITTLE HANDS

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To invent, you need a good imagination
and a pile of stuff - Thomas Edison

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Kids build LEGO creations as an extension of their imagination:

- inventions
- contraptions
- thing-a-ma-jigs
- whatcha-ma-call-its....that may appear pointless but are most definitely not

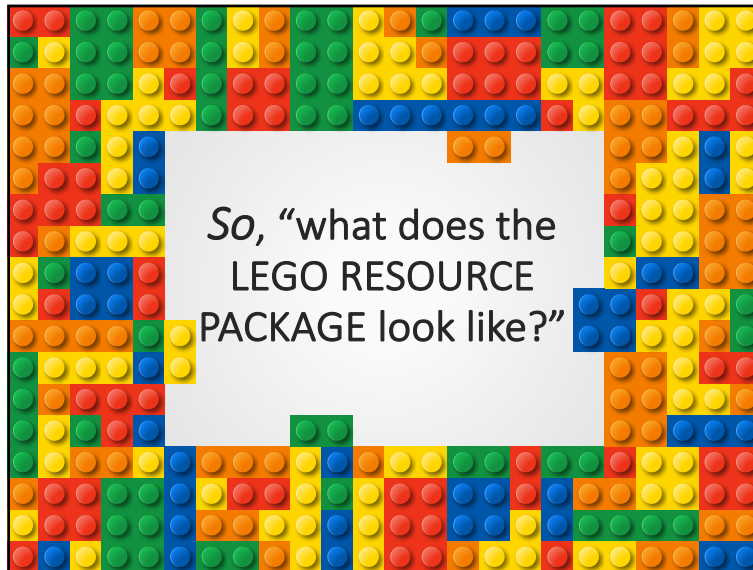
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"Those pointless, crazy ideas are not so crazy at all. These ideas come from our **next generation** of leaders, engineers, innovators, scientists, thinkers, and doers.

- There is a **purpose** to this LEGO play.
- Your kids are **using skills** well beyond the instruction booklets in the boxes.
- These kids build LEGO creations that **solve problems, make something better, or change something into something.**
- **Our world needs kids that look beyond the surface**, can solve problems they don't even know exist, can **think outside the box**, and can do what no one else is willing to try."

Littlebinsforlittlehands.com

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The bin is organized with:

- A Master Resource List with:
 - A photo and link for each resource in the bin - numbered
 - A photo and link for each resource suggested in the grey-shaded areas – in alphabetical order
- Dividers for each cycle – K, Cycle 1, 2, and 3
- Additional links and resources for adults
- 23 activities are ready for use
- In order to respect copyright rules, 30 more are suggested with their links to download, print and add to your collection of resources

LEGO PROJECT

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

NOTE

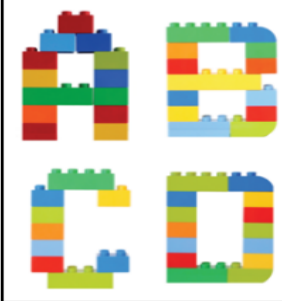
1. These resources are divided by age/cycle level. Numerous resources are beneficial, fun and to be enjoyed at different age/cycle levels.
2. Activities provided in the 'Starter Kit' are labelled with a number.
3. Additional suggestions, which cannot be shared directly, to respect copyright rules, we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

For K4-K5

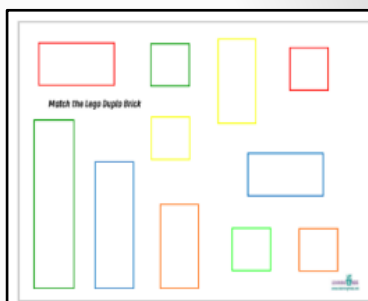
#	Image	Description	Link
#1		Alphabet LEGO cards	https://www.mrsmaisonblanc.com/lego-alphabet-cards/
#2		Build & City Counting Game	https://www.jessicahill.com/2010/08/05/build-a-city-counting-and-subtraction-game/
#3		Match the Duplo Block	https://www.donnamcivildesign.com/2014/10/09/match-the-duplo-block/
#4		Game board #1	https://www.mrsmaisonblanc.com/
#5		Lego Box with Activity Cards	https://www.donnamcivildesign.com/2014/09/09/lego-box-with-activity-cards/
#6		Lego box investigations	https://www.mrsmaisonblanc.com/2014/09/09/lego-box-investigations/

#7		LEGO Challenge Construction Cards	https://chibboard101.com/printable-lego-challenge-cards/
A		Counting with lego and play-dough	https://www.teachmeanymore.com/blog/counting-with-lego-and-play-dough/
B		A range of sorting activities	https://www.teachmeanymore.com/2014/09/09/lego-math-patterns/
C		Six Duplo Math Games	https://www.teachmeanymore.com/2014/09/09/lego-math-patterns/
D		Pattern Building with blocks	https://www.teachmeanymore.com/2014/09/09/lego-math-patterns/
E		3-D letter cards	https://www.teachmeanymore.com/2014/09/09/lego-math-patterns/
F		LEGO DUPLO animal alphabet cards	https://www.teachmeanymore.com/2014/09/09/lego-math-patterns/
G		Travel with LEGOs	https://www.teachmeanymore.com/2014/09/09/lego-math-patterns/
H		LEGO Pocket case	https://www.teachmeanymore.com/2014/09/09/lego-math-patterns/

Kindergarten



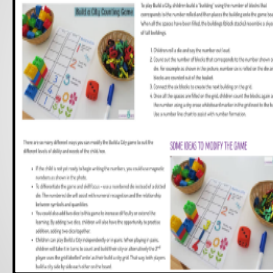
#1-Alphabet LEGO cards



#3-Match the Duplo Block

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Kindergarten



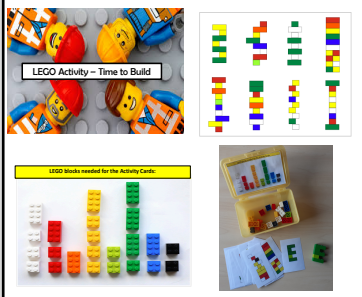
#2-Build a City Counting Game



#4 Game board #1

14

Kindergarten



#5-LEGO box with activity cards



#6-Lego-busy-box-printables

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Kindergarten

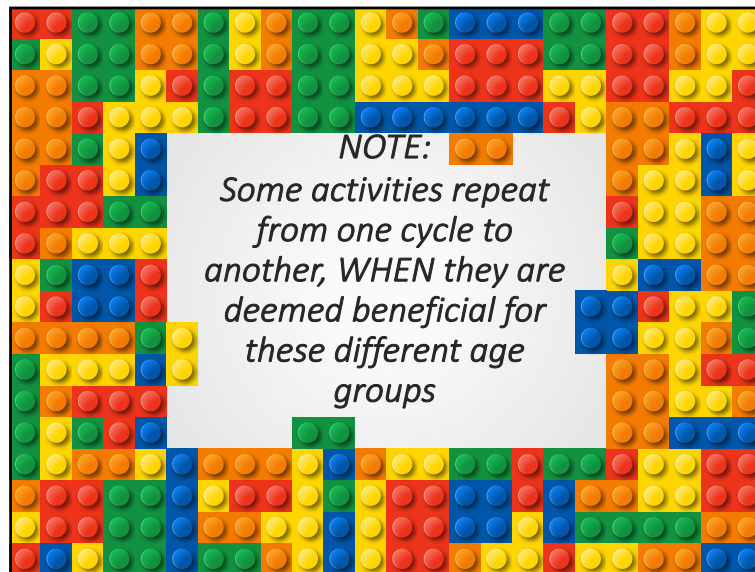


C- Six Duplo Math Games



E- 3-D letter cards

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Cycle 1

CONSTRUCTION CARDS

When asked to start your challenge cards, choose a card and start building.

- Build a character from a movie.
- Set a timer and see what you can build in 5 minutes.
- Build a model of your bedroom.
- Create a space age vehicle.
- Build something with just 55 bricks.
- Build a hideout for a superhero.
- What can you make with just yellow bricks?
- Build an underwater grotto.

Build a Block Tower Game

START

Add 4 Bricks	Add 1 Brick	Subtract 2 Bricks	Add 6 Bricks	Add 3 Bricks
Subtract 2 Bricks	Add 5 Bricks	Add 2 Bricks	Subtract 1 Brick	Add 2 Bricks
Add 1 Brick	Add 2 Bricks	Subtract 3 Bricks	Add 4 Bricks	Add 6 Bricks
Add 3 Bricks	Subtract 3 Bricks	Add 4 Bricks	Subtract 2 Bricks	Add 4 Bricks
Add 5 Bricks	Subtract 1 Brick	Add 1 Brick	Subtract 2 Bricks	Add 6 Bricks
Add 6 Bricks	Subtract 1 Brick	Add 1 Brick	Subtract 2 Bricks	Add 6 Bricks

FINISH

#7 - LEGO Challenge Construction Cards #8 - Block Tower Game 18

Cycle 1

LEGO CHALLENGE CALENDAR
31 Days of Fun Ideas for Any Month

Day	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15
Day 16	Day 17	Day 18	Day 19	Day 20	Day 21	Day 22	Day 23
Day 24	Day 25	Day 26	Day 27	Day 28	Day 29	Day 30	Day 31

LEGO ACTIVITY BOOK

Kiddy Charts

#10 – LEGO Challenge Calendar #11 – LEGO Activity Book 19

Cycle 1

Learning to Count with LEGO Bricks

Counting Odds with LEGO Bricks

Counting Evens with LEGO Bricks

Building Challenges

A Build something with bricks in just one minute.

B Create a musical instrument that makes sound.

C Build the tallest tower you can without it falling.

I – Learning to Count with LEGO blocks L - LEGO Challenges cycle 1 20

Cycle 2

10 LEGO games to get kids moving!



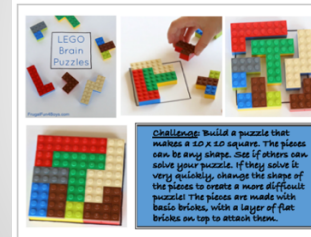
#12 – 10 LEGO games to get kids moving



#13 – Board game #2

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Cycle 2



#14 – LEGO Brain Puzzle



#19 – LEGO Math Challenge Cards

Cycle 2



K-LEGO Challenge Ideas

Multiplying with LEGO® Bricks
Brick Grouping Boards

Teaching multiplication can present a challenge for many teachers and frustration to many students. At it's core multiplication is simply grouping numbers into sets, then determining the total number of sets in a given number of groups. Teaching multiplication facts from a table doesn't put the concept into a real perspective for students. That is why I've created these multiplying with LEGO® brick grouping boards.

Instructions:

- The best way to utilize the grouping boards is to print them on card stock, then laminate.
- Have your students use dry erase markers to solve the problems. Then your students can re-use them to practice their grouping skills helping to reinforce their multiplication skills.
- Have the student place the correct number of bricks into each grouping space. Then solve the problems by counting the number of bricks in the given number of groups.
- Once your student is showing proficiency in grouping. Then work with them by using a multiplication table to reinforce what they have learned in grouping.

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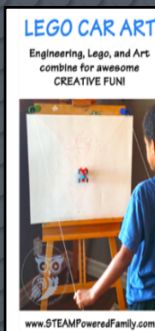
P-Tools, boards to assist students in learning multiplication

23

Cycle 2



S - LEGO Car Art



U – LEGO Challenge 250 tasks cards

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Cycle 3



#16 – LEGO Construction Ideas



#18 – LEGO Brick Minute to Win It Games

Cycle 3



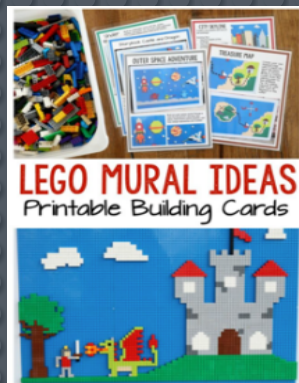
#20 – 30 Days of LEGO Play



#21 – LEGO Balloon Powered Car

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Cycle 3

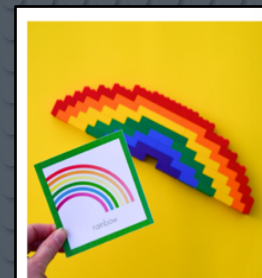


Q- LEGO Mural Building

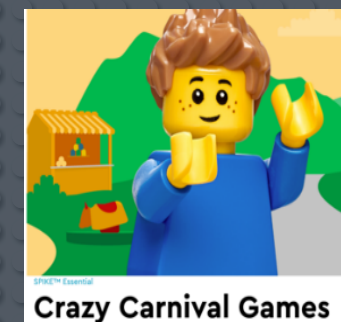


T – Build an Epic LEGO Marble Run

Cycle 3



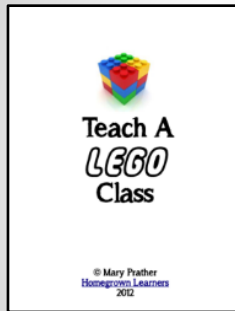
W – LEGO Charades – print cars and dice to play



X – STEAM Science – Crazy Carnival Games

Additional Links and Resources for Adults

*1 – Teach a LEGO Class



*2 – The LEGO Games Book 50 fun brainteasers, games, challenges and puzzles

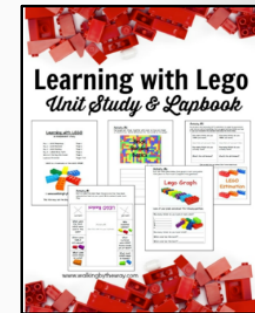


Additional Links and Resources for Adults

*3 – AWESOME LEGO CREATIONS with Bricks You Already Have



*4 – Learning with LEGO



Additional Links and Resources for Adults

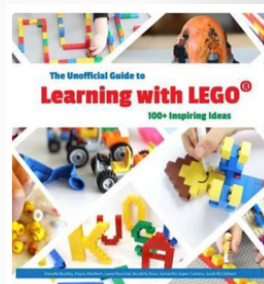
*5 – LEGO Learning



graph, add, create,

spell, build, measure,

*6 – The Unofficial Guide to Learning with Lego: 100+ Inspiring Ideas



Additional Links and Resources for Adults

*7 – Chain Reactions

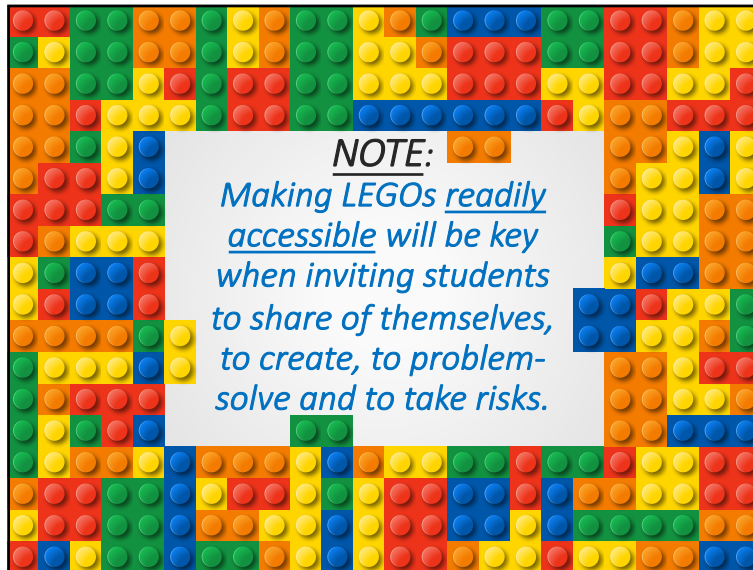


*8 – Coding a LEGO Maze




*9 – Gadgets: Build 11 Machines







Although this is a great start...

We know that there are many LEGO lovers across the province! Teachers, support staff, daycare staff, and professionals are using LEGO with their students.



- “Oyé, Oyé! We are calling LEGO lovers to come forth & share their ideas, projects and links for additional activities and resources!”
- Please share via email. We are collecting recommendations to create a second Resource Document which will also be shared on our CEBM website.

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ABOUT US PROJECTS THEMES RESOURCES ARTICLES LIBRARY EVENTS

FR

Projects

THE LEGO RESOURCE PACKAGE

The CEBM is launching another project! The LEGO RESOURCE PACKAGE can have great potential in supporting students both in the classroom and in Nurturing Support Centres (NSC)/Intervention Rooms with teachers and support staff. LEGO is often undervalued and minimally used both in working through emotions and in learning contexts. Our students with emotional and behavioral challenges often gravitate towards building & creating, how can we increase the value of our intervention and support?

LEGOs can be:

- a quiet brain break activity that will help students 'reset' and be more available for additional learning
- a medium to go 'hands on' with learning - reducing felt vulnerability and defenses triggered by learning struggles/challenges
- an opportunity to 'play out' emotions, problem-solve situations without repercussion or fall out
- an agent of change, a problem-solving venue, inspire creativity

LEGO Project presentation

[CLICK HERE](#) to play recording

LEGO Project - Presentation Handout

[CLICK HERE](#) to download this document in pdf format

