

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



LITTLE BINS
BY LITTLE HANDS

5



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

6

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

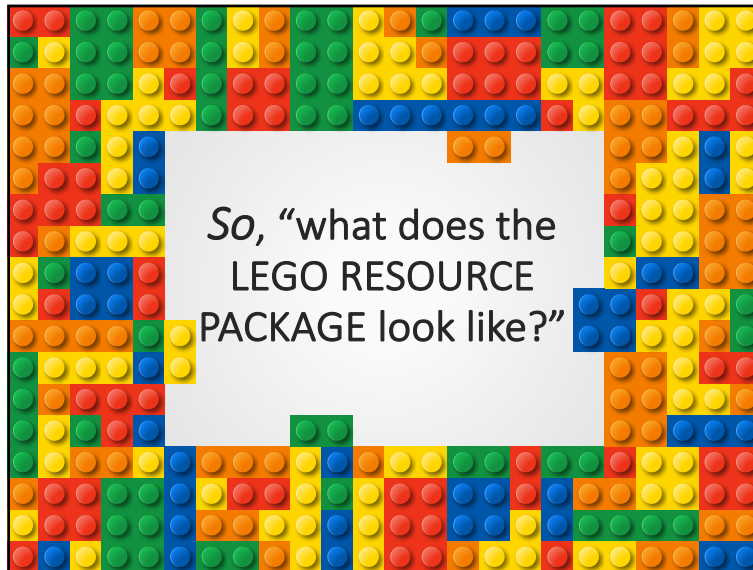
7

"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

8



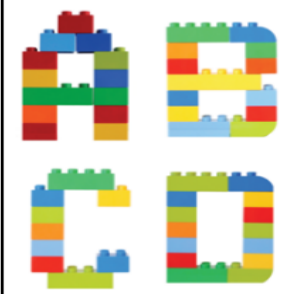
The bin is organized with:

- 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

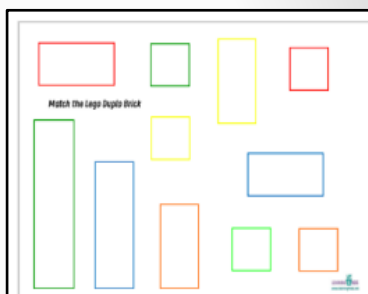
11

LEGO PROJECT		
A COLLECTION OF ACTIVITIES & RESOURCES TO USE LEGOS AS INTERVENTION MATERIALS WITH K4-CYCLE 3 STUDENTS		
<p>NOTE:</p> <ol style="list-style-type: none"> 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
#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.wildmabysheep.com/blog/counting-with-lego-and-play-dough/
B		A range of sorting activities https://www.teacherspayteachers.com/?q=lego-math-patterns
C		Document to download https://www.funfonix.com/hands-on-duplo-math-games/
D		Website with a wide range of LEGO ideas and resources https://www.sourcetransource.com/products/building-block-patterns-and-games/
E		Ebook of resources https://www.adventure-in-a-box.com/product/lego-3d-alphabet-printable-cards/
F		3-D letter cards https://www.adventure-in-a-box.com/product/lego-duplo-animal-alphabet/
G		LEGO DUPLO animal alphabet cards https://www.adventure-in-a-box.com/product/lego-duplo-animal-alphabet/
H		Free downloadable cards when you go to their website https://www.funfonix.com/lego-travel-box/

Kindergarten



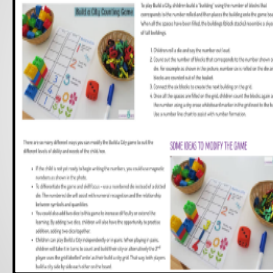
#1-Alphabet LEGO cards



#3-Match the Duplo Block

13

Kindergarten



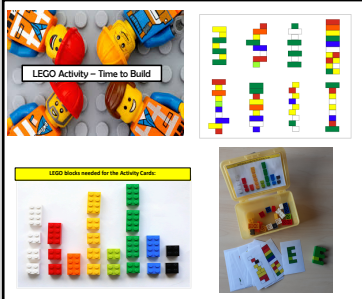
#2-Build a City Counting Game



#4 Game board #1

14

Kindergarten



#5-LEGO box with activity cards



#6-Lego-busy-box-printables

15

Kindergarten

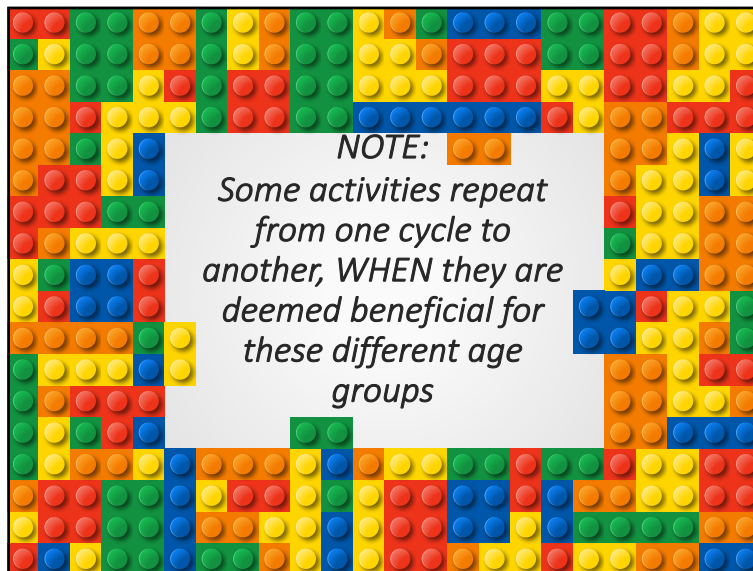


C- Six Duplo Math Games



E- 3-D letter cards

16



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

21

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® bricks grouping boards.

Instructions:

- The first step to using 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

LEGO CAR ART

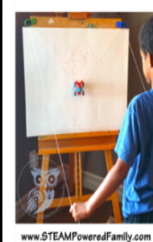
Engineering, Lego & Art
Combine For
Awesome
CREATIVE FUN!



S - LEGO Car Art

LEGO CAR ART

Engineering, Lego, and Art
combine for awesome
CREATIVE FUN!



www.STEAMPoweredFamily.com



U – LEGO Challenge 250 tasks cards

24

[illegible]

Cycle 3

30 Days of LEGO Play

Follow the instructions for each day. The only rule is to have fun and use your imagination!

Day	Day	Day	Day	Day	Day	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	Day 32	Day 33	Day 34	Day 35

Lego Balloon Powered Car

You will need:

- Basic LEGO bricks
- LEGO wheels
- Balloons
- Measuring tape

MAKE IT GO! 1, 2, 3 Woosh...!!

- Blow up the balloon and let your LEGO car go!
- How far will your car go?
- If you've made a few cars;
 - See which is the fastest?
 - Which goes the farthest?
 - Which car was slowest?
 - Does it go as far on floor tiles, wood floors, on a carpet or pavement?

#20 – 30 Days of LEGO Play

#21 – LEGO Balloon Powered Car

26

Cycle 3

A collection of LEGO building cards and a bucket of LEGO bricks. The cards are titled 'LEGO MURAL IDEAS' and 'Printable Building Cards'. One card shows a 'MIDWINTER ADVENTURE' theme with a snowman and a reindeer. Another card shows a 'READER MAP' with a castle and a dragon. Below the cards is a completed LEGO mural of a castle with red roofs, a tree, and a dragon.

Q – LEGO Mural Building

A collage of images showing a LEGO marble run. The top image shows a close-up of a marble running through a complex structure. The middle image shows a completed section of the run. The bottom image shows the full completed marble run on a wooden base. The text 'BUILD AN EPIC LEGO MARBLE RUN' is overlaid on the images. A watermark '© 2014 www.undiscovered.com' is visible at the bottom.


T – Build an Epic LEGO Marble Run

Cycle 3



LEGO CHARADES

W – LEGO Charades – print cards and dice to play



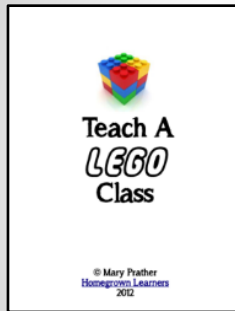
SPICE™ Essential

Crazy Carnival Games

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

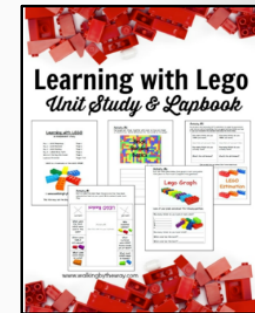


Additional Links and Resources for Adults

*3 – AWESOME LEGO CREATIONS with Bricks You Already Have



*4 – Learning with LEGO

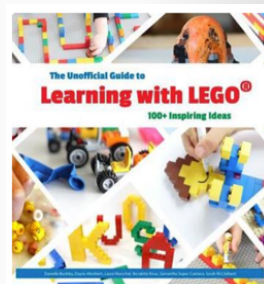


Additional Links and Resources for Adults

*5 – LEGO Learning



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



Additional Links and Resources for Adults

*7 – Chain Reactions

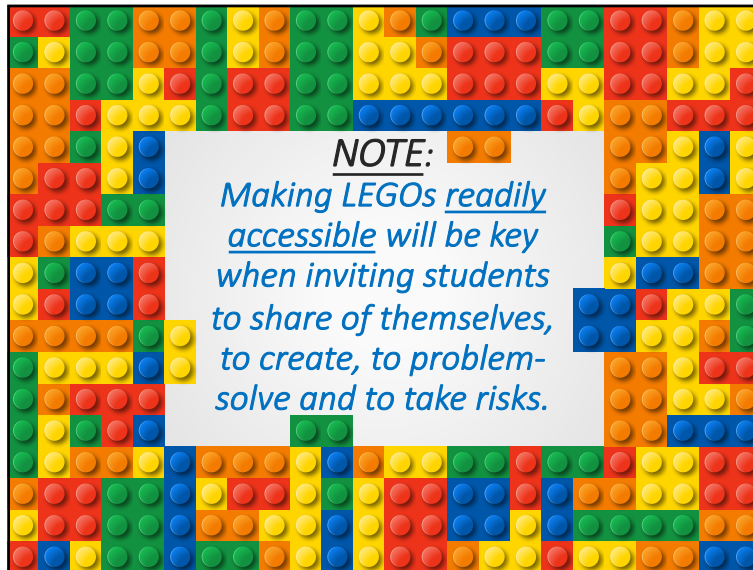


*8 – Coding a LEGO Maze




*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.

36

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

