LEGGO MY LEGO

Resources: http://goo.gl/LG5hLk

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WHY LEGO?

- Engaging
- All Students Experience Success
- Metacognition – Ignite Insight
WHY LEGO?

- Skilled Communication
- Knowledge Construction:
  - Robotics/STEM
  - Programming
- Real World Problem Solving
- Collaboration
WHAT IS COLLABORATION?
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Students are required to work in pairs or groups.
WHAT IS COLLABORATION?

Students have shared responsibility.
WHAT IS COLLABORATION?

Students make substantive decisions together.
WHAT IS COLLABORATION?

Work is interdependent.
BEFORE YOU BUILD

Plan for "builds in progress"

Investigate Storage Solutions

Teach “Lego-ese” Vocabulary
Begin with a Simple Build
Try the Build Yourself
Focus:

Gathering Materials
Collaboration
Troubleshooting/Problem Solving
Returning Materials
LESSON PLANNING

- Students - Gather only the parts needed for the build.
- Plan time for students to fail, troubleshoot, and refine.
- Challenge Cards
Platforms
Beginning-Middle-End, or Multiple Settings
Create 2 “Base” Characters

- Head
- Torso
- Legos
Sort Remaining Legos:

- Character
- Setting
- Prop
- Details
Access Spinner: http://shar.es/1bBZd7

- Choose 2 LEGOS pieces from specified category after each spin.

- Repeat 4 more times.
Create a story

4 W’s
- Who is it about?
- Where does it take place?
- When does it take place?
- What happens?

Share your story with a partner.
Create a final product using LEGO StoryVisualizer

App: http://goo.gl/aGKogi

Code: w147z1gsw8
(shared w/ permission from LEGO)
Help! The Wizard is back!

Help is on the way!

Arrg! Not you again!

You are under arrest for criminal mischief.

you are serving a life sentence for criminal mischief.

Today is not your day!

You won’t get away with this!

You’ll never stop me!

We’ll see about that!

don’t move!

down!
STORYSTARTER

- Core Set – 45100
- Curriculum & Software – 5003448
  Site License
- Rule of Thumb: 1 Core Set per 5 students
WEDO & WEDO 8+

- Tilt Sensor
- Motion Sensor
- Motor
- USB Hub
WEDO & WEDO 8+

http://goo.gl/ZjOvwh

“Lego-ese”

Bricks

- Are named by the dimensions of the brick. Bricks have a standard height, which is considered the base unit in Lego terminology.
- The brick below is a 2 x 6 red brick.
WEDO & WEDO 8.

- Connect
- Construct
- Contemplate
- Continue
WEDO & WEDO 8+

Programming
Drag & Drop
**WEDO & WEDO 8+**

- Core Set – 9580
- Curriculum & Software – 2000097
  *Site License*
- Rule of Thumb: 1 Core Set per 2-3 students

*Computer Required*

WeDo 8+ Expansion – 9585  Curriculum & Software - 2009585
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