LEGGO MY LEGO

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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
LESSON PLANNING

- 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
STORYSTARTER

- Core Set – 45100
- Curriculum & Software – 5003448
  
  Site License

- Rule of Thumb: 1 Core Set per 5 students
Platforms
Beginning-Middle-End, or Multiple Settings
Create 2 “Base” Characters

Head
Torso
Legos
Sort Remaining Legos:

Character

Setting

Prop

Details
STORystarter

- 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: Found in Curriculum
Help! The Wizard is back!

Help is on the way!

Arrgh! Not you again!

Today is not your day!

You'll never stop me!

NOOOOO!

You won't get away with this!

We'll see about that!

You are under arrest for criminal mischief!

You are serving a life sentence for criminal mischief.

don't move!
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
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.
- Connect
- Construct
- Contemplate
- Continue
WEDO & WEDO 8+

Programming
Drag & Drop
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