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?
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
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](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)
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
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
LEGGO MY LEGO

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