

## Teacher Survey – LEGO Curriculum Users

Bethke, K., Rogers, C., Jarvin, L., & Barnett, G.M. (2006). Transforming elementary science through LEGO<sup>TM</sup> engineering design. National Science Foundation grant #DRL 0633952. Reproduced and adapted with permission.

### I. Contact Information

Name: \_\_\_\_\_

District: \_\_\_\_\_

School: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

### II. Background Education/Classroom Information:

#### 1. Degrees

Please indicate the degrees you have earned and indicate in which field (e.g., English Literature, Mathematics, etc.)

☐ Bachelors

(Field \_\_\_\_\_)

☐ Masters

(Field \_\_\_\_\_)

☐ Doctorate

(Field \_\_\_\_\_)

If you have teacher licensure, what grade levels are you licensed for?

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What type of program best describes your teacher preparation program or teacher certification program?

☐ Undergraduate

☐ Emergency Route

☐ Graduate

☐ Other \_\_\_\_\_

☐ Alternate Route

What best describes your science experiences in academia?

☐ Science Major

☐ Took science classes beyond requirements

- |  |   |
|--|---|
| <input type="checkbox"/> Science Minor           | <input type="checkbox"/> Took required science classes only |
| <input type="checkbox"/> Took no science classes | <input type="checkbox"/> Other _____                        |

## 2. Teaching Experience

Grade level currently teaching: \_\_\_\_\_

Grade levels previously taught: \_\_\_\_\_

*Years Teaching (total):*

\_\_\_\_\_

Years teaching current grade level: \_\_\_\_\_

## 3. Other Professional Experience

Have you had other work experiences besides teaching? ☐ Yes ☐ No

If you answered yes above, please describe your non-teaching work experiences.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Have you had work or recreational experiences with design and/or engineering?

☐ Yes ☐ No

If you answered yes above, please describe your experiences with design and/or engineering. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 4. Subjects in Classroom

Please indicate all subjects you are currently teaching in your classroom.

- |  |   |
|--|---|
| <input type="checkbox"/> Science               | <input type="checkbox"/> Music            |
| <input type="checkbox"/> Mathematics           | <input type="checkbox"/> Engineering      |
| <input type="checkbox"/> English/Language Arts | <input type="checkbox"/> Technology       |
| <input type="checkbox"/> Social Studies        | <input type="checkbox"/> Foreign Language |
| <input type="checkbox"/> Art                   | <input type="checkbox"/> Other _____      |

How much time per week do you generally spend teaching engineering (if any)?

\_\_\_\_\_

If you do teach engineering, tell us a little about how you do so.

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## 5. Science Lessons

How much time per week do you generally spend teaching science?

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Do you teach more than one class science? If so, how many?

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Are you a science specialist? \_\_\_\_\_

Rate your comfort level when teaching science lessons:

1	2	3	4	5
<i>Very Comfortable</i>	<i>Moderately Comfortable</i>	<i>Neither Comfortable nor Uncomfortable</i>	<i>Moderately Uncomfortable</i>	<i>Very Uncomfortable</i>

Comments:

## 6. Computer Access

Do you have access to a computer in your classroom? ☐ Yes ☐ No

If not, do you have access to a computer in your school? ☐ Yes ☐ No

Rate your comfort level with using educational computer software:

1	2	3	4	5
<i>Very Comfortable</i>	<i>Moderately Comfortable</i>	<i>Neither Comfortable nor Uncomfortable</i>	<i>Moderately Uncomfortable</i>	<i>Very Uncomfortable</i>

Comments:

## III. LEGO™ Experience

How long have you been exposed to building with LEGO? \_\_\_\_\_

In what contexts have you used LEGO? (Please check all that apply.)

- |  |  |
|--|--|
| <input type="checkbox"/> Childhood toy                       | <input type="checkbox"/> Creating models |
| <input type="checkbox"/> Used in school as child             | <input type="checkbox"/> Robotics        |
| <input type="checkbox"/> Playing with a child in a home      | <input type="checkbox"/> Other _____     |
| <input type="checkbox"/> Used in own classroom with students | <input type="checkbox"/> None            |

If you used LEGO in your own classroom, what was the purpose? (Please check all that apply)

☐ Academic in nature

☐ Playtime

Please elaborate on any past academic uses of LEGO.

Please indicate your level of proficiency with each of the following:

	Excellent	Good	Fair	No
<b>Experience</b>				
a. Building with LEGO bricks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Building with LEGO wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Building with LEGO axles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Building with LEGO connectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Building with LEGO beams	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Building with LEGO gears	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Using LEGO motors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Using different LEGO themes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(Ex: Trains, Ferrari, Batman, etc.)				
i. Using LEGO MINDSTORMS RCX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Using LEGO MINDSTORMS NXT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Using other LEGO Education tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Specify tools: \_\_\_\_\_

\_\_\_\_\_

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**Thank You!**