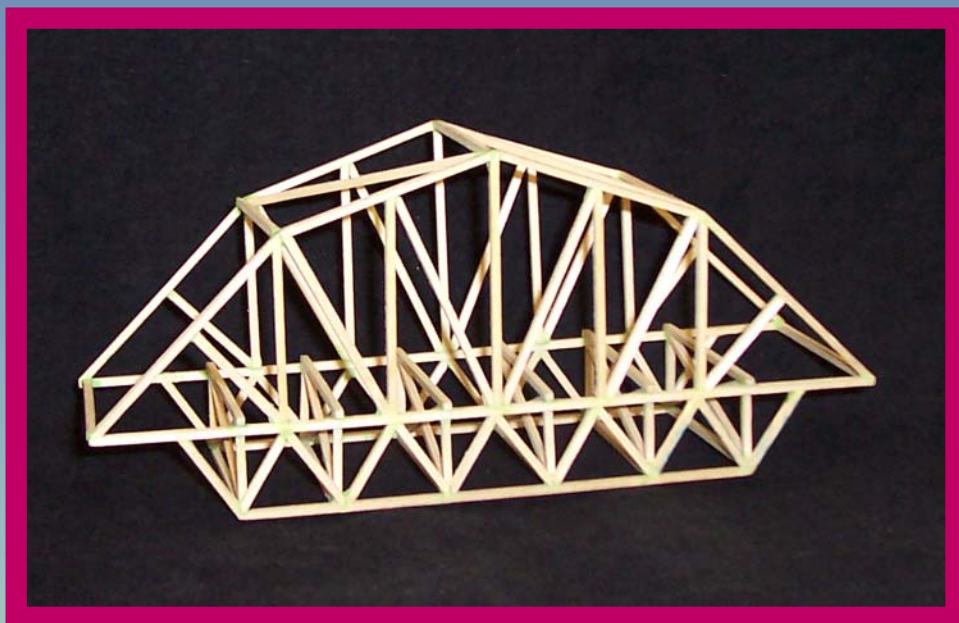


# TOP

# 100

# Bridges

Industrial Technology Peacock Middle School



***Note:** The bridge on the cover was built by Ms. Smith, the Industrial Technology teacher, as a demonstration model. To be fair to her students who were required to break their own bridges, she tested it (results below) then rebuilt the same model with only a slight alteration to the roadbed substructure pieces.*

*Originally these pieces had a second lap joint that rested on the bottom of the side substructure. The rebuilt model has the pieces one stick (3/32") deeper than the side substructure. This allows a lap joint on top of the roadbed and makes all substructure construction even at the bottom of the bridge.*

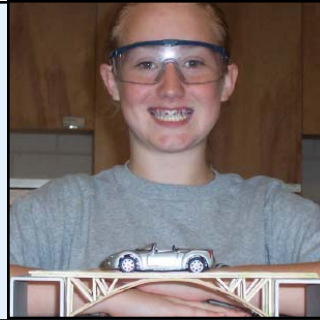
Name:	Ms. Smith
School Year:	2002-3
Type of Bridge:	Beam
First Side:	NA
Dead Load (gr.):	15.50
Live Load (lb.):	31.00
Live Load (gr.):	13,950
Efficiency Rating:	900.0

Student Name: Michael S  
School Year: 2005-05  
Type of Bridge: Deck Arch  
First Side: 2.30  
Dead Load (gr.): 15.60  
Live Load (lb.): 51.50  
Live Load (gr.): 23,360  
Efficiency Rating: 1497.4



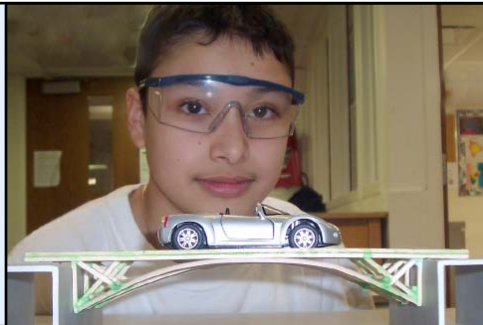
1

Student Name: Maggie N  
School Year: 2006-07  
Type of Bridge: Deck Arch  
First Side: 1.90  
Dead Load (gr.): 12.90  
Live Load (lb.): 41.00  
Live Load (gr.): 18,597  
Efficiency Rating: 1441.6



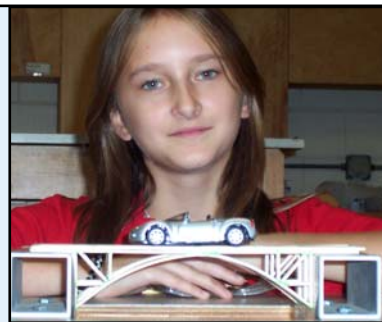
2

Student Name: Enzo R  
School Year: 2005-06  
Type of Bridge: Deck Arch  
First Side: 1.80  
Dead Load (gr.): 12.20  
Live Load (lb.): 35.50  
Live Load (gr.): 16,102  
Efficiency Rating: 1319.9



3

Student Name: Karolina K  
School Year: 2006-07  
Type of Bridge: Deck Arch  
First Side: 2.50  
Dead Load (gr.): 12.20  
Live Load (lb.): 35.00  
Live Load (gr.): 15,876  
Efficiency Rating: 1301.3



4

Student Name: Steven A  
School Year: 2006-07  
Type of Bridge: Deck Arch  
First Side: 1.70  
Dead Load (gr.): 13.10  
Live Load (lb.): 37.00  
Live Load (gr.): 16,783  
Efficiency Rating: 1281.1



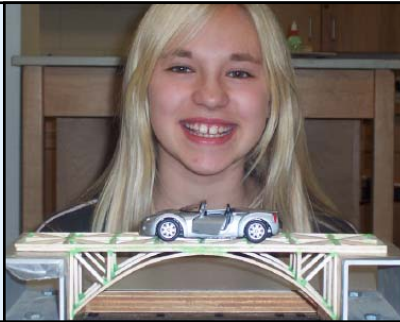
5

6

NO PHOTO  
AVAILABLE

Student Name: Jessica L  
School Year: 2002-03  
Type of Bridge: Bean/Suspension  
First Side: 3.30  
Dead Load (gr.): 10.80  
Live Load (lb.): 28.00  
Live Load (gr.): 12,701  
Efficiency Rating: 1176.0

7



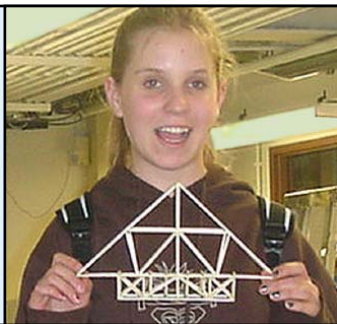
Student Name: Stephanie K  
School Year: 2006-07  
Type of Bridge: Deck Arch  
First Side: 1.70  
Dead Load (gr.): 14.20  
Live Load (lb.): 34.50  
Live Load (gr.): 15,649  
Efficiency Rating: 1102.0

8



Student Name: Luis Pelayo  
School Year: 2006-07  
Type of Bridge: Deck Arch/Beam  
First Side: 4.10  
Dead Load (gr.): 12.80  
Live Load (lb.): 31.00  
Live Load (gr.): 14,061  
Efficiency Rating: 1098.5

9



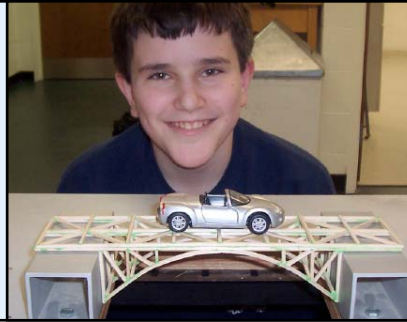
Student Name: Emily V  
School Year: 2003-04  
Type of Bridge: KingPost  
First Side: 5.10  
Dead Load (gr.): 18.10  
Live Load (lb.): 43.50  
Live Load (gr.): 19,731  
Efficiency Rating: 1090.1

10



Student Name: Brian F  
School Year: 2006-07  
Type of Bridge: Deck Arch  
First Side: 1.90  
Dead Load (gr.): 13.10  
Live Load (lb.): 31.00  
Live Load (gr.): 14,061  
Efficiency Rating: 1073.4

Student Name: Aston K  
School Year: 2005-06  
Type of Bridge: Deck Arch  
First Side: 2.40  
Dead Load (gr.): 16.80  
Live Load (lb.): 39.00  
Live Load (gr.): 17,690  
Efficiency Rating: 1053.0



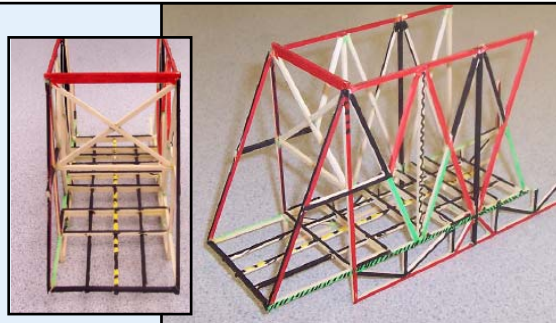
11

Student Name: Sanjay P  
School Year: 2005-06  
Type of Bridge: Deck Arch  
First Side: 1.60  
Dead Load (gr.): 13.80  
Live Load (lb.): 3100  
Live Load (gr.): 14,061  
Efficiency Rating: 1018.9



12

Student Name: Miguel C  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: 7.55  
Dead Load (gr.): 27.50  
Live Load (lb.): 61.50  
Live Load (gr.): 27,896  
Efficiency Rating: 1014.4



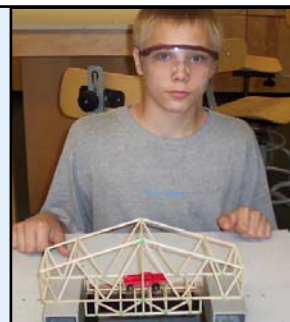
13

Student Name: Ashley B  
School Year: 2005-06  
Type of Bridge: King Post  
First Side: 5.60  
Dead Load (gr.): 18.70  
Live Load (lb.): 38.00  
Live Load (gr.): 17,236  
Efficiency Rating: 921.7



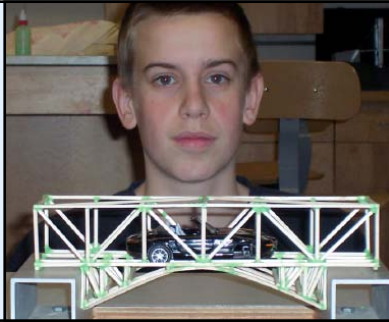
14

Student Name: Paul V  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 5.4  
Dead Load (gr.): 20.10  
Live Load (lb.): 38.50  
Live Load (gr.): 17,463  
Efficiency Rating: 868.8



15

# 16



Student Name: Nate S  
School Year: 2005-06  
Type of Bridge: Beam/Deck  
First Side: 6.00  
Dead Load (gr.): 22.50  
Live Load (lb.): 43.00  
Live Load (gr.): 19,504  
Efficiency Rating: 866.9

# 17

NO PHOTO  
AVAILABLE

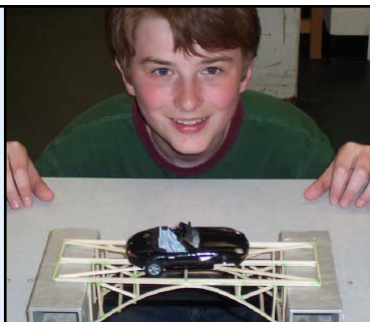
Student Name: Logan M  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: 4.7  
Dead Load (gr.): 17.35  
Live Load (lb.): 33.00  
Live Load (gr.): 14,968  
Efficiency Rating: 862.7

# 18



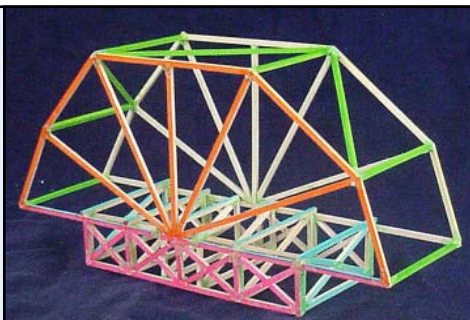
Student Name: Brodie C  
School Year: 2004-05  
Type of Bridge: Beam/Suspension  
First Side: 6.00  
Dead Load (gr.): 21.90  
Live Load (lb.): 41.00  
Live Load (gr.): 18,597  
Efficiency Rating: 849.2

# 19



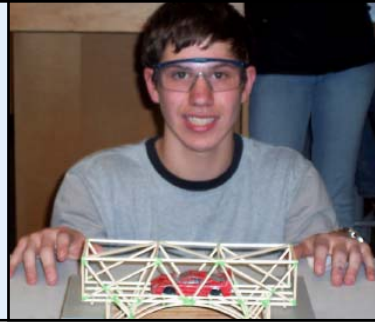
Student Name: Matt H  
School Year: 2005-06  
Type of Bridge: Deck Arch  
First Side: 2.20  
Dead Load (gr.): 12.50  
Live Load (lb.): 23.00  
Live Load (gr.): 10,433  
Efficiency Rating: 834.6

# 20



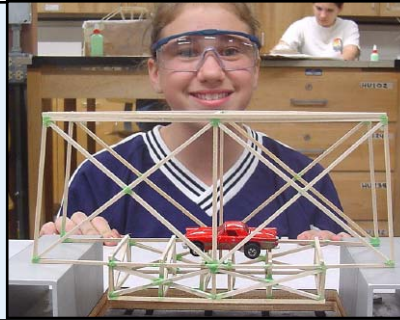
Student Name: Rachel K  
School Year: 2003-04  
Type of Bridge: Beam  
First Side: 5.10  
Dead Load (gr.): 20.60  
Live Load (lb.): 37.50  
Live Load (gr.): 17,010  
Efficiency Rating: 825.7

Student Name: Michael W  
School Year: 2005-06  
Type of Bridge: Deck Arch/Beam  
First Side: 4.70  
Dead Load (gr.): 15.70  
Live Load (lb.): 28.50  
Live Load (gr.): 12,927  
Efficiency Rating: 823.4



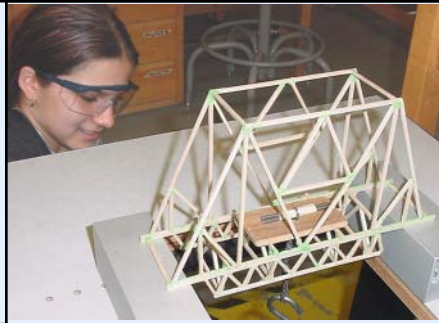
21

Student Name: Valerie K  
School Year: 2003-04  
Type of Bridge: Beam  
First Side: 5.3  
Dead Load (gr.): 21.00  
Live Load (lb.): 38.00  
Live Load (gr.): 17,236  
Efficiency Rating: 820.8



22

Student Name: Kayla T  
School Year: 2003-04  
Type of Bridge: Beam  
First Side: 7.70  
Dead Load (gr.): 20.50  
Live Load (lb.): 37.00  
Live Load (gr.): 16,783  
Efficiency Rating: 818.7



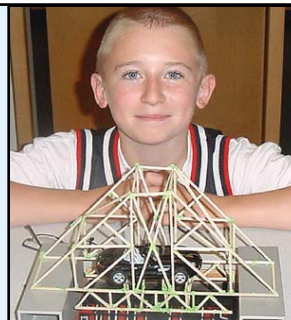
23

Student Name: Pat N  
School Year: 2005-06  
Type of Bridge: Deck Arch/King Post  
First Side: 3.70  
Dead Load (gr.): 11.40  
Live Load (lb.): 20.50  
Live Load (gr.): 9,299  
Efficiency Rating: 815.7



24

Student Name: Elliot T  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 6.90  
Dead Load (gr.): 22.80  
Live Load (lb.): 41.00  
Live Load (gr.): 18,597  
Efficiency Rating: 815.7



25

# 26



Student Name: Matt V  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: 4.90  
Dead Load (gr.): 14.50  
Live Load (lb.): 26.00  
Live Load (gr.): 11,973  
Efficiency Rating: 813.3

# 27

NO PHOTO  
AVAILABLE

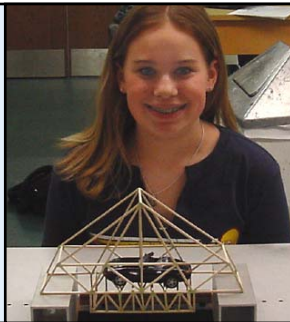
Student Name: Mike K  
School Year: 2002-03  
Type of Bridge: Through Arch  
First Side: 6.10  
Dead Load (gr.): 21.50  
Live Load (lb.): 38.00  
Live Load (gr.): 17,236  
Efficiency Rating: 801.7

# 28



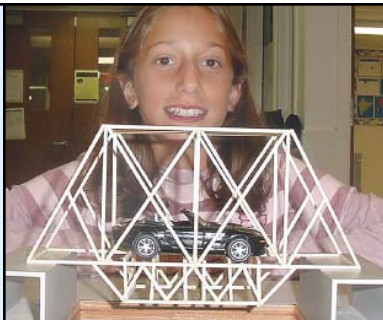
Student Name: Kyle C  
School Year: 2005-06  
Type of Bridge: Through Arch/Deck Arch  
First Side: 3.60  
Dead Load (gr.): 14.60  
Live Load (lb.): 25050  
Live Load (gr.): 11,567  
Efficiency Rating: 792.2

# 29



Student Name: Sammi H  
School Year: 2004-05  
Type of Bridge: King Post  
First Side: 5.90  
Dead Load (gr.): 17.80  
Live Load (lb.): 31.00  
Live Load (gr.): 14,061  
Efficiency Rating: 790.0

# 30



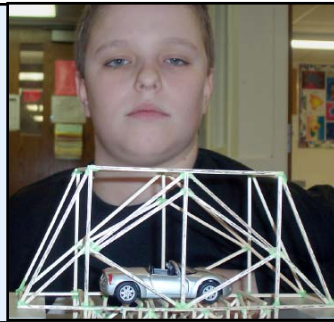
Student Name: Elizabeth R  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 5.20  
Dead Load (gr.): 17.30  
Live Load (lb.): 30.00  
Live Load (gr.): 13,608  
Efficiency Rating: 786.6

Student Name: Brian M  
School Year: 2003-04  
Type of Bridge: Beam  
First Side: 5.55  
Dead Load (gr.): 19.00  
Live Load (lb.): 32.00  
Live Load (gr.): 14,515  
Efficiency Rating: 763.9



31

Student Name: Nick K  
School Year: 2005-06  
Type of Bridge: Beam  
First Side: 6.30  
Dead Load (gr.): 20.50  
Live Load (lb.): 34.50  
Live Load (gr.): 15,649  
Efficiency Rating: 763.4



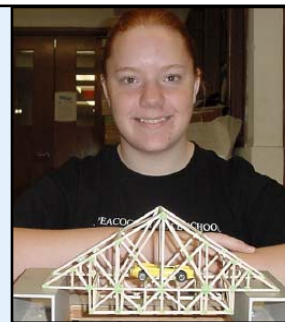
32

Student Name: Jacqueling, C  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 4.50  
Dead Load (gr.): 18.60  
Live Load (lb.): 31.00  
Live Load (gr.): 14,061  
Efficiency Rating: 756.0



33

Student Name: Liz R  
School Year: 2003-04  
Type of Bridge: King Post  
First Side: 5.40  
Dead Load (gr.): 18.40  
Live Load (lb.): 30.50  
Live Load (gr.): 13834  
Efficiency Rating: 751.9




34

Student Name: Johnnie R  
School Year: 2004-05  
Type of Bridge: Beam (KTruss)  
First Side: 9.2  
Dead Load (gr.): 26.00  
Live Load (lb.): 43.00  
Live Load (gr.): 19,504  
Efficiency Rating: 750.2




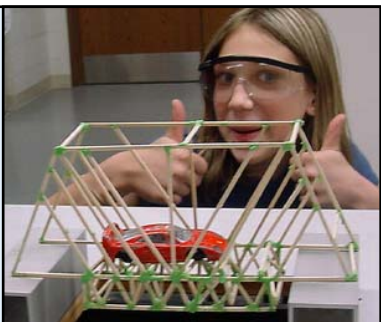
35

<h1>36</h1>	<p>NO PHOTO AVAILABLE</p>	<p>Student Name: Amanda B  School Year: 2004-05  Type of Bridge: Through Arch  First Side: 9.50  Dead Load (gr.): 26.50  Live Load (lb.): 43.50  Live Load (gr.): 19,731  Efficiency Rating: 744.6</p>
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<h1>37</h1>		<p>Student Name: Mark K  School Year: 2004-05  Type of Bridge: Beam  First Side: 6.20  Dead Load (gr.): 20.50  Live Load (lb.): 33.50  Live Load (gr.): 15,195  Efficiency Rating: 741.2</p>
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<h1>38</h1>	<p>NO PHOTO AVAILABLE</p>	<p>Student Name: Joe F  School Year: 2002-03  Type of Bridge: Beam  First Side: ?  Dead Load (gr.): 15.30  Live Load (lb.): 25.00  Live Load (gr.): 11,340  Efficiency Rating: 741.2</p>
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<h1>39</h1>		<p>Student Name: Mark B  School Year: 2003-04  Type of Bridge: Through Arch  First Side: 10.00  Dead Load (gr.): 30.10  Live Load (lb.): 49.00  Live Load (gr.): 22,226  Efficiency Rating: 738.4</p>
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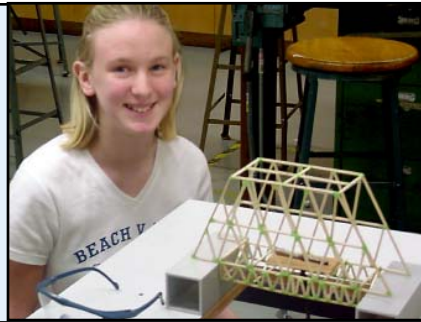
<h1>40</h1>		<p>Student Name: Sarah S  School Year: 2003-04  Type of Bridge: Beam  First Side: 6.30  Dead Load (gr.): 23.80  Live Load (lb.): 38.5  Live Load (gr.): 17,463  Efficiency Rating: 733.7</p>
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Student Name: Urszula M  
School Year: 2003-04  
Type of Bridge: Deck Arch/Beam  
First Side: 6.90  
Dead Load (gr.): 28.50  
Live Load (lb.): 46.00  
Live Load (gr.): 20,865  
Efficiency Rating: 732.1



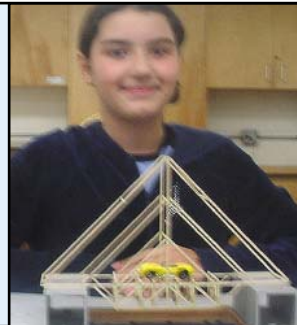
41

Student Name: Amanda O  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: 7.40  
Dead Load (gr.): 22.00  
Live Load (lb.): 35.50  
Live Load (gr.): 16,102  
Efficiency Rating: 731.9



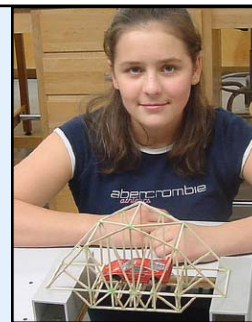
42

Student Name: Justyna O  
School Year: 2004-05  
Type of Bridge: King Post  
First Side: 4.50  
Dead Load (gr.): 17.70  
Live Load (lb.): 28.50  
Live Load (gr.): 12,927  
Efficiency Rating: 730.4



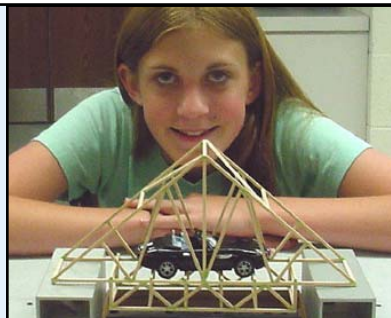
43

Student Name: Anna B  
School Year: 2003-04  
Type of Bridge: Beam  
First Side: ?  
Dead Load (gr.): 18.40  
Live Load (lb.): 29.50  
Live Load (gr.): 13,381  
Efficiency Rating: 727.2



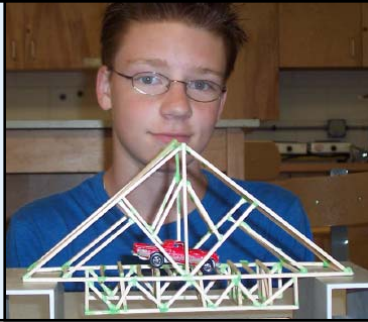
44

Student Name: Liz P  
School Year: 2003-04  
Type of Bridge: King Post  
First Side: 4.90  
Dead Load (gr.): 16.90  
Live Load (lb.): 27.00  
Live Load (gr.): 12,247  
Efficiency Rating: 724.7



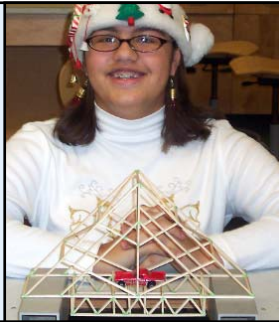
45

# 46



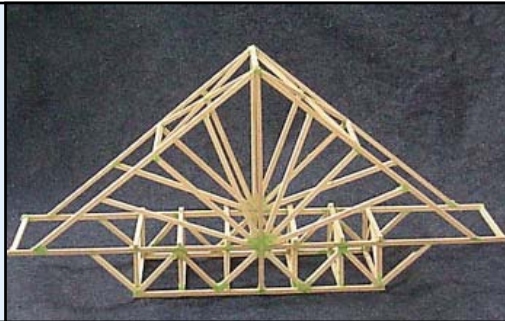
Student Name: Trevor B  
School Year: 2004-05  
Type of Bridge: King Post  
First Side: 4.60  
Dead Load (gr.): 17.00  
Live Load (lb.): 27.00  
Live Load (gr.): 12,247  
Efficiency Rating: 720.4

# 47



Student Name: Taylor P  
School Year: 2005-06  
Type of Bridge: King Post  
First Side: 5.70  
Dead Load (gr.): 19.30  
Live Load (lb.): 30.50  
Live Load (gr.): 13,834  
Efficiency Rating: 716.8

# 48



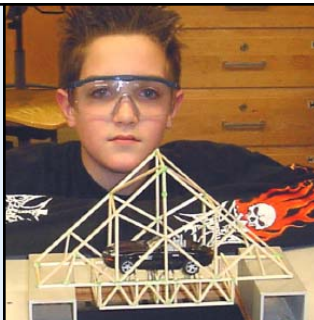
Student Name: Brian M  
School Year: 2003-04  
Type of Bridge: King Post  
First Side: 4.25  
Dead Load (gr.): 17.75  
Live Load (lb.): 27.50  
Live Load (gr.): 12,474  
Efficiency Rating: 702.7

# 49



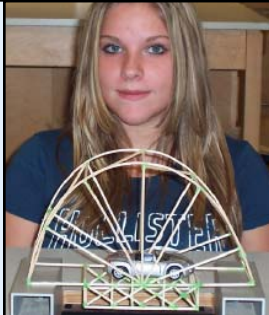
Student Name: Abraham P  
School Year: 2005-06  
Type of Bridge: Deck Arch  
First Side: 4.25  
Dead Load (gr.): 14.20  
Live Load (lb.): 22.00  
Live Load (gr.): 9,979  
Efficiency Rating: 702.7

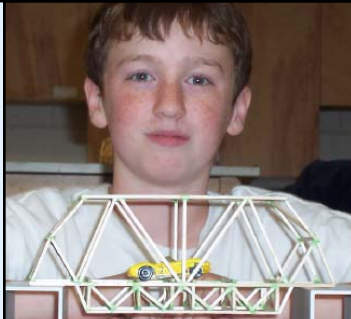
# 50




Student Name: Paul W  
School Year: 2003-04  
Type of Bridge: King Post  
First Side: 5.00  
Dead Load (gr.): 17.80  
Live Load (lb.): 27.50  
Live Load (gr.): 12,474  
Efficiency Rating: 700.8

<p>Student Name: Brittany O  School Year: 2003-04  Type of Bridge: Beam  First Side: 5.95  Dead Load (gr.): 22.70  Live Load (lb.): 35.00  Live Load (gr.): 15,876  Efficiency Rating: 699.4</p>	<p>NO PHOTO  AVAILABLE</p>	<p><b>51</b></p>
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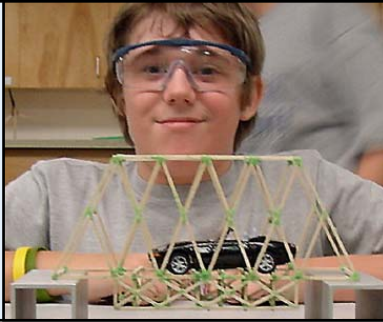
<p>Student Name: Anetta M  School Year: 2006-07  Type of Bridge: Through Arch  First Side: 5.10  Dead Load (gr.): 16.00  Live Load (lb.): 24.50  Live Load (gr.): 11,113  Efficiency Rating: 694.6</p>		<p><b>52</b></p>
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<p>Student Name: George H  School Year: 2004.-05  Type of Bridge: Beam  First Side: 4.35  Dead Load (gr.): 18.00  Live Load (lb.): 27.50  Live Load (gr.): 12,474  Efficiency Rating: 693.0</p>		<p><b>53</b></p>
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<p>Student Name: Xavier H  School Year: 2005-06  Type of Bridge: Beam  First Side: 5.6  Dead Load (gr.): 18.60  Live Load (lb.): 28.00  Live Load (gr.): 12,701  Efficiency Rating: 682.8</p>	<p>NO PHOTO  AVAILABLE</p>	<p><b>54</b></p>
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<p>Student Name: Robert L  School Year: 2005-06  Type of Bridge: King Post  First Side: 6.80  Dead Load (gr.): 22.00  Live Load (lb.): 33.00  Live Load (gr.): 14,968  Efficiency Rating: 680.4</p>		<p><b>55</b></p>
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# 56



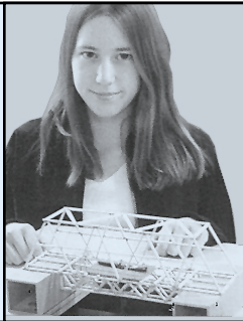
Student Name: David D  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 5.65  
Dead Load (gr.): 20.10  
Live Load (lb.): 30.00  
Live Load (gr.): 13,608  
Efficiency Rating: 677.0

# 57



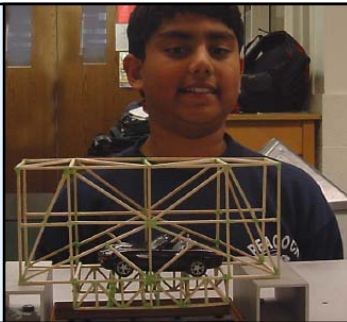
Student Name: Cristhal H  
School Year: 2003-04  
Type of Bridge: King Post  
First Side: 5.95  
Dead Load (gr.): 20.10  
Live Load (lb.): 30.00  
Live Load (gr.): 13,608  
Efficiency Rating: 677.7

# 58



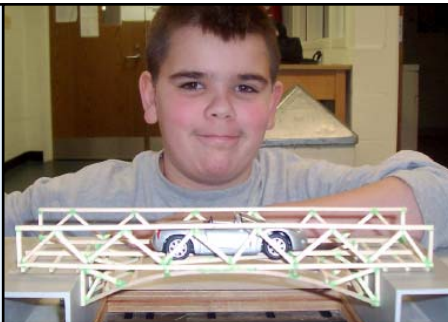
Student Name: Cassandra D  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: ?  
Dead Load (gr.): 20.90  
Live Load (lb.): 31.00  
Live Load (gr.): 14,061  
Efficiency Rating: 672.8

# 59



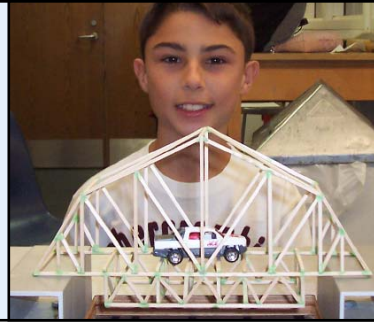
Student Name: Geo N  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 6.70  
Dead Load (gr.): 22.60  
Live Load (lb.): 33.50  
Live Load (gr.): 15,195  
Efficiency Rating: 672.4

# 60



Student Name: Eric E  
School Year: 2005-06  
Type of Bridge: Deck Arch/Beam  
First Side: 3.60  
Dead Load (gr.): 13.20  
Live Load (lb.): 19.50  
Live Load (gr.): 8,845  
Efficiency Rating: 670.1

Student Name: Anthony S  
School Year: 2005-06  
Type of Bridge: Beam  
First Side: 5.50  
Dead Load (gr.): 19.40  
Live Load (lb.): 28.50  
Live Load (gr.): 12,927  
Efficiency Rating: 666.4



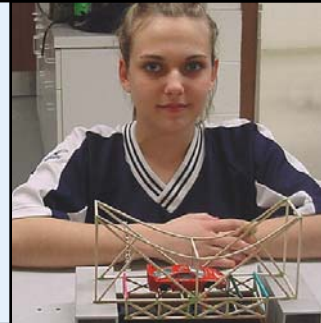
61

Student Name: Tess F  
School Year: 2004-05  
Type of Bridge: Deck Arch/Beam  
First Side: 6.00  
Dead Load (gr.): 17.80  
Live Load (lb.): 26.00  
Live Load (gr.): 11,793  
Efficiency Rating: 662.5



62

Student Name: Stephanie D  
School Year: 2003-04  
Type of Bridge: Reverse Arch  
First Side: 5.00  
Dead Load (gr.): 18.50  
Live Load (lb.): 27.00  
Live Load (gr.): 12,247  
Efficiency Rating: 662.0



63

Student Name: Shannon S  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: 6.35  
Dead Load (gr.): 22.80  
Live Load (lb.): 33.00  
Live Load (gr.): 14,968  
Efficiency Rating: 656.5



64

Student Name: Kelly P  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: ?  
Dead Load (gr.): 20.40  
Live Load (lb.): 29.50  
Live Load (gr.): 13,381  
Efficiency Rating: 655.9

NO PHOTO  
AVAILABLE

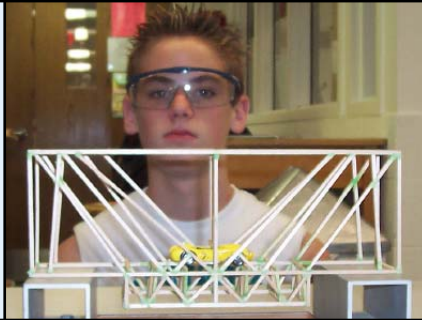
65

# 66

NO PHOTO  
AVAILABLE

Student Name: Shannon P  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: ?  
Dead Load (gr.): 17.30  
Live Load (lb.): 25.00  
Live Load (gr.): 11,340  
Efficiency Rating: 655.5

# 67



Student Name: Austin G  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 6.40  
Dead Load (gr.): 21.20  
Live Load (lb.): 30.50  
Live Load (gr.): 13,834  
Efficiency Rating: 652.6

# 68



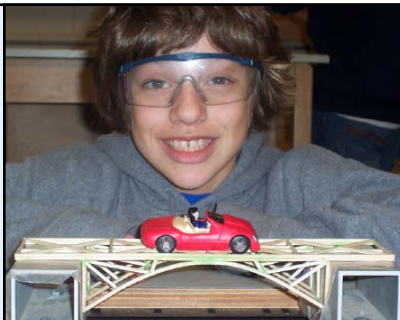
Student Name: Grace R  
School Year: 2003-04  
Type of Bridge: Through Arch  
First Side: 5.80  
Dead Load (gr.): 18.80  
Live Load (lb.): 27.00  
Live Load (gr.): 12,247  
Efficiency Rating: 651.4

# 69



Student Name: Chris C  
School Year: 2003-04  
Type of Bridge: King Post  
First Side: 6.50  
Dead Load (gr.): 24.20  
Live Load (lb.): 34.50  
Live Load (gr.): 15,649  
Efficiency Rating: 646.6

# 70

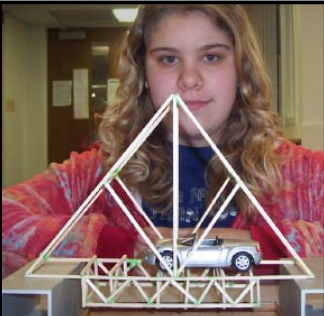


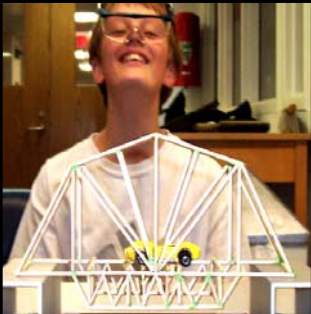
Student Name: Ryan S  
School Year: 2006-07  
Type of Bridge: Deck Arch  
First Side: 1.90  
Dead Load (gr.): 12.15  
Live Load (lb.): 17.00  
Live Load (gr.): 7,711  
Efficiency Rating: 634.7

<p>Student Name: Matt R  School Year: 2003-04  Type of Bridge: Beam  First Side: 4.70  Dead Load (gr.): 14.30  Live Load (lb.): 20.00  Live Load (gr.): 9,072  Efficiency Rating: 634.4</p>		<p><b>71</b></p>
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<p>Student Name: Alex C  School Year: 2002-03  Type of Bridge: Beam  First Side: ?  Dead Load (gr.): 31.50  Live Load (lb.): 44.00  Live Load (gr.): 19,958  Efficiency Rating: 633.6</p>	<p>NO PHOTO  AVAILABLE</p>	<p><b>72</b></p>
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<p>Student Name: Alex D  School Year: 2002-03  Type of Bridge: Beam  First Side: ?  Dead Load (gr.): 17.90  Live Load (lb.): 25.00  Live Load (gr.): 11,340  Efficiency Rating: 633.5</p>	<p>NO PHOTO  AVAILABLE</p>	<p><b>73</b></p>
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<p>Student Name: Melissa S  School Year: 2005-06  Type of Bridge: King Post  First Side: 3.75  Dead Load (gr.): 15.05  Live Load (lb.): 21.00  Live Load (gr.): 9,925  Efficiency Rating: 632.9</p>		<p><b>74</b></p>
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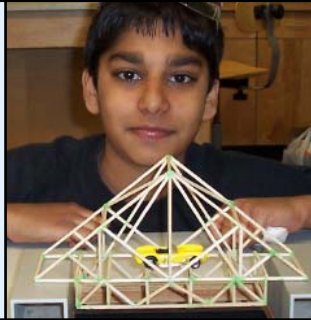
<p>Student Name: Brad C  School Year: 2005-06  Type of Bridge: Beam  First Side: 4.40  Dead Load (gr.): 16.50  Live Load (lb.): 23.00  Live Load (gr.): 10,433  Efficiency Rating: 632.3</p>		<p><b>75</b></p>
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# 76

NO PHOTO  
AVAILABLE

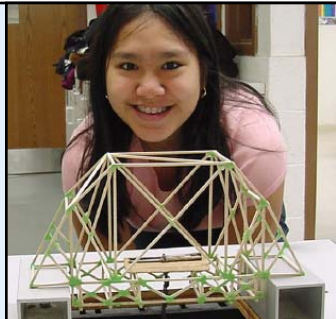
Student Name: Carly L  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: ?  
Dead Load (gr.): 24.50  
Live Load (lb.): 34.00  
Live Load (gr.): 15,422  
Efficiency Rating: 629.5

# 77



Student Name: Jeff S  
School Year: 2004-05  
Type of Bridge: King Post  
First Side: 4.40  
Dead Load (gr.): 17.30  
Live Load (lb.): 24.00  
Live Load (gr.): 10,886  
Efficiency Rating: 629.3

# 78



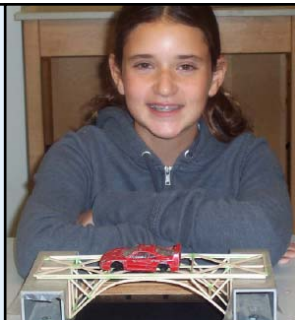
Student Name: Jasmine T  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: 6.60  
Dead Load (gr.): 23.95  
Live Load (lb.): 33.00  
Live Load (gr.): 14,968  
Efficiency Rating: 625.0

# 79

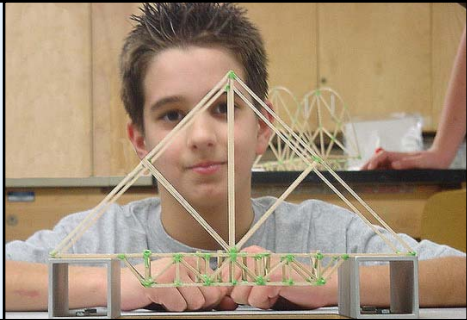


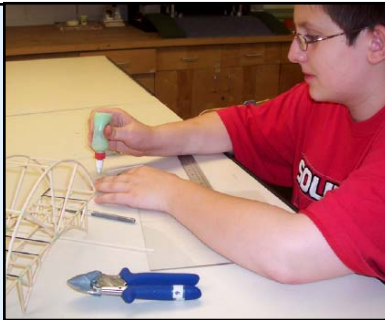
Student Name: Ashley N  
School Year: 2004-05  
Type of Bridge: King Post  
First Side: 6.00  
Dead Load (gr.): 21.80  
Live Load (lb.): 30.00  
Live Load (gr.): 13,608  
Efficiency Rating: 624.2

# 80




Student Name: Morgan B  
School Year: 2006-07  
Type of Bridge: Deck Arch  
First Side: 2.10  
Dead Load (gr.): 11.70  
Live Load (lb.): 16.00  
Live Load (gr.): 7,257  
Efficiency Rating: 620.3

<p>Student Name: Chris M  School Year: 2003-04  Type of Bridge: King Post  First Side: ?  Dead Load (gr.): 15.40  Live Load (lb.): 21.00  Live Load (gr.): 9,525  Efficiency Rating: 618.5</p>		<p><b>81</b></p>
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<p>Student Name: Matt P  School Year: 2005-06  Type of Bridge: Deck Arch/Through Arch  First Side: 4.10  Dead Load (gr.): 15.50  Live Load (lb.): 21.00  Live Load (gr.): 9,525  Efficiency Rating: 614.5</p>		<p><b>82</b></p>
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<p>Student Name: Anay C  School Year: 2005-06  Type of Bridge: Deck Arch/Beam  First Side: 6.00  Dead Load (gr.): 17.40  Live Load (lb.): 23.50  Live Load (gr.): 10,659  Efficiency Rating: 612.6</p>		<p><b>83</b></p>
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<p>Student Name: Danielle F  School Year: 2004-05  Type of Bridge: Beam  First Side: 4.60  Dead Load (gr.): 13.70  Live Load (lb.): 18.50  Live Load (gr.): 8,391  Efficiency Rating: 612.5</p>		<p><b>84</b></p>
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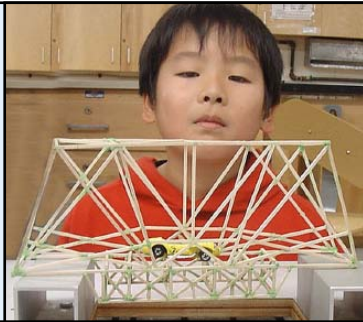
<p>Student Name: Frank C  School Year: 2002-03  Type of Bridge: Beam  First Side: 6.00  Dead Load (gr.): 18.00  Live Load (lb.): 24.00  Live Load (gr.): 10,886  Efficiency Rating: 604.8</p>	<p>NO PHOTO  AVAILABLE</p>	<p><b>85</b></p>
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# 86



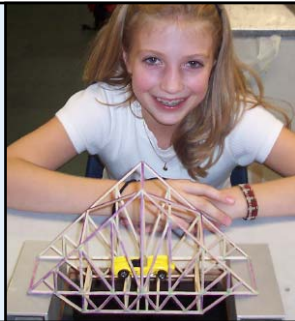
Student Name: Michael E  
School Year: 2006-07  
Type of Bridge: King Post  
First Side: 5.70  
Dead Load (gr.): 19.50  
Live Load (lb.): 26.00  
Live Load (gr.): 11,793  
Efficiency Rating: 604.8

# 87



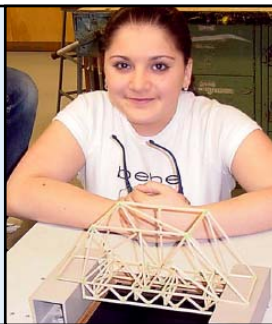
Student Name: Taro S  
School Year: 2003-04  
Type of Bridge: Beam  
First Side: 8.25  
Dead Load (gr.): 24.10  
Live Load (lb.): 32.00  
Live Load (gr.): 14,515  
Efficiency Rating: 602.3

# 88



Student Name: Lauren K  
School Year: 2005-06  
Type of Bridge: King Post  
First Side: 4.80  
Dead Load (gr.): 18.10  
Live Load (lb.): 24.00  
Live Load (gr.): 10,886  
Efficiency Rating: 601.4

# 89




Student Name: Rosa A  
School Year: 2002-03  
Type of Bridge: Beam  
First Side: 4.50  
Dead Load (gr.): 14.35  
Live Load (lb.): 19.00  
Live Load (gr.): 8,618  
Efficiency Rating: 600.6

# 90



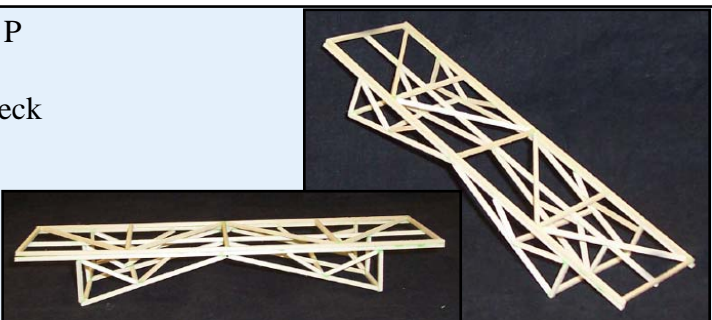
Student Name: Brian K  
School Year: 2004-05  
Type of Bridge: Beam  
First Side: 6.7  
Dead Load (gr.): 20.80  
Live Load (lb.): 27.50  
Live Load (gr.): 12,474  
Efficiency Rating: 599.7

<p>Student Name: Brendan F  School Year: 2005-06  Type of Bridge: Beam  First Side: 5.60  Dead Load (gr.): 19.30  Live Load (lb.): 25.50  Live Load (gr.): 11,567  Efficiency Rating: 599.3</p>		<h1>91</h1>
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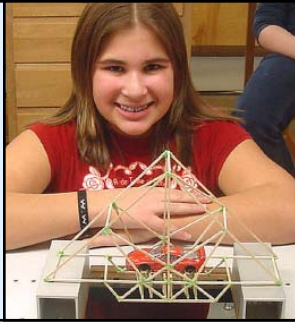
<p>Student Name: Tim H  School Year: 2002-03  Type of Bridge: Beam  First Side: 8.50  Dead Load (gr.): 25.00  Live Load (lb.): 33.00  Live Load (gr.): 14,968  Efficiency Rating: 598.7</p>	<p>NO PHOTO  AVAILABLE</p>	<h1>92</h1>
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<p>Student Name: Mari D  School Year: 2002-03  Type of Bridge: Beam  First Side: ?  Dead Load (gr.): 20.50  Live Load (lb.): 27.00  Live Load (gr.): 12,247  Efficiency Rating: 597.4</p>	<p>NO PHOTO  AVAILABLE</p>	<h1>93</h1>
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<p>Student Name: Humerto P  School Year: 2002-03  Type of Bridge: Deck Arch/Suspension  First Side: 1.90  Dead Load (gr.): 13.00  Live Load (lb.): 17.00  Live Load (gr.): 7,711  Efficiency Rating: 593.2</p>		<h1>94</h1>
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<p>Student Name: Michael P  School Year: 2006-07  Type of Bridge: Beam/Deck  First Side: 1.30  Dead Load (gr.): 9.30  Live Load (lb.): 12.00  Live Load (gr.): 5,443  Efficiency Rating: 585.3</p>		<h1>95</h1>
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# 96



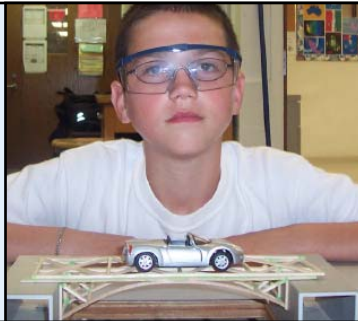
Student Name: Lisa C  
School Year: 2003-04  
Type of Bridge: King Post  
First Side: ?  
Dead Load (gr.): 18.70  
Live Load (lb.): 24.00  
Live Load (gr.): 10,886  
Efficiency Rating: 582.1

# 97



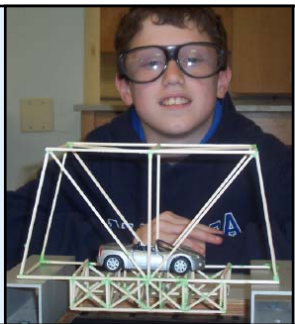
Student Name: Kelsey M  
School Year: 2003.04  
Type of Bridge: Deck Arch/King Post  
First Side: 5.10  
Dead Load (gr.): 25.90  
Live Load (lb.): 33.00  
Live Load (gr.): 14,968  
Efficiency Rating: 577.9

# 98



Student Name: Austin P  
School Year: 2005-06  
Type of Bridge: Deck Arch  
First Side: 1.60  
Dead Load (gr.): 12.20  
Live Load (lb.): 15.50  
Live Load (gr.): 7,031  
Efficiency Rating: 576.3

# 99



Student Name: Zack G  
School Year: 2006-07  
Type of Bridge: Beam  
First Side: 5.50  
Dead Load (gr.): 18.50  
Live Load (lb.): 23.50  
Live Load (gr.): 10,659  
Efficiency Rating: 576.2

# 100



Student Name: Kevin H  
School Year: 2004-5  
Type of Bridge: Beam  
First Side: 7.50  
Dead Load (gr.): 26.00  
Live Load (lb.): 33.00  
Live Load (gr.): 14,968  
Efficiency Rating: 575.7