<table>
<thead>
<tr>
<th>Knowledge Question</th>
<th>n</th>
<th>% Correct Pre</th>
<th>% Correct Post</th>
<th>Difference</th>
<th>Percent Change</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>K1.0 - Where do you get your genetic information from? (2010-2011) (Answer: Parents)</td>
<td>1251</td>
<td>68.3%</td>
<td>76.6%</td>
<td>8.3%</td>
<td>12.2%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K1.1 - Where do you get your genes from? (2011-2014) (Answer: Parents)</td>
<td>5062</td>
<td>94.4%</td>
<td>95.5%</td>
<td>1.1%</td>
<td>1.2%</td>
<td>0.010</td>
</tr>
<tr>
<td>K1.2 - A section of DNA that affects one specific trait is called a: (2014-2015) (Answer: Gene)</td>
<td>1516</td>
<td>82.0%</td>
<td>84.0%</td>
<td>2.0%</td>
<td>2.4%</td>
<td>n.s.</td>
</tr>
<tr>
<td>K2.0 - When you state a possible explanation for a specific question during Scientific Inquiry, it is called: (2010-2011) (Answer: Hypothesis)</td>
<td>1250</td>
<td>68.8%</td>
<td>72.9%</td>
<td>4.0%</td>
<td>5.9%</td>
<td>0.034</td>
</tr>
<tr>
<td>K2.1 - When you state a guess that might answer a specific question during Scientific Inquiry, it is called: (2011-2014) (Answer: Hypothesis)</td>
<td>5062</td>
<td>82.9%</td>
<td>88.1%</td>
<td>5.2%</td>
<td>6.3%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K2.2 - Which of the following is NOT a reason zebrafish are used in research? (2014-2015) (Answer: Zebrafish have only a few offspring)</td>
<td>1516</td>
<td>31.2%</td>
<td>58.3%</td>
<td>27.1%</td>
<td>86.9%</td>
<td>&lt;0.001</td>
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<tr>
<td>K3 - An organism that inherits two copies of the same allele is considered: (Answer: Homozygous)</td>
<td>7829</td>
<td>41.0%</td>
<td>63.3%</td>
<td>22.3%</td>
<td>54.3%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K4.0 - In genetics, the physical characteristics of your genes are called the: (2010-2011) (Answer: Phenotype)</td>
<td>1250</td>
<td>24.3%</td>
<td>41.8%</td>
<td>17.5%</td>
<td>71.9%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K4.1 - The outward, physical characteristics of your genes are called the: (2011-2015) (Answer: Phenotype)</td>
<td>6578</td>
<td>33.0%</td>
<td>53.4%</td>
<td>20.4%</td>
<td>61.8%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K5 - To determine the probability of inheriting traits you should create a: (Answer: Punnett Square)</td>
<td>7829</td>
<td>41.9%</td>
<td>78.4%</td>
<td>36.5%</td>
<td>87.2%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K6.0 - If rolling your tongue is a dominant trait, which answer would show a 3:1 ratio of parents passing on the trait? (2010-2011) (Answer: Aa x Aa)</td>
<td>1251</td>
<td>42.8%</td>
<td>53.3%</td>
<td>10.6%</td>
<td>24.7%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K6.1 - Which answer shows the inheritance of a recessive trait with two heterozygous parents? (2011-2013, 2014-2015) (Answer: Aa x Aa)</td>
<td>1225</td>
<td>51.4%</td>
<td>73.1%</td>
<td>21.6%</td>
<td>42.1%</td>
<td>&lt;0.001</td>
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<tr>
<td>K6.2 - Which answer shows a 25% chance of the inheritance of a recessive trait from two heterozygous parents? (2013-2014) (Answer: Aa x Aa)</td>
<td>5353</td>
<td>41.3%</td>
<td>51.8%</td>
<td>10.5%</td>
<td>25.5%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K7 - Stem cells have the potential to become many different kinds of cells. (Answer: True)</td>
<td>7829</td>
<td>59.5%</td>
<td>82.3%</td>
<td>22.8%</td>
<td>38.3%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K8 - Genetic mutations are almost always harmful. (Answer: False)</td>
<td>7829</td>
<td>67.4%</td>
<td>76.4%</td>
<td>9.0%</td>
<td>13.4%</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>K9 - Model organisms can help scientists learn about human genes, diseases, and cures. (Answer: True)</td>
<td>7829</td>
<td>84.5%</td>
<td>89.7%</td>
<td>5.2%</td>
<td>6.2%</td>
<td>&lt;0.001</td>
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