# Targeted Teaching Topic

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**School:** Loup City Schools

<table>
<thead>
<tr>
<th>Summary of Topic:</th>
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<tbody>
<tr>
<td>Review of Punnett Squares</td>
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<tr>
<th>Main Curriculum Tie:</th>
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<td>Genetics.</td>
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<th>Required Materials for Lesson:</th>
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<td>Sample genetic problems.</td>
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<th>Background for Teacher:</th>
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<tr>
<td>Knowledge on how to set up and solve genetic problems using a Punnett square.</td>
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<th>Student Prior Knowledge:</th>
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<tr>
<td>Using a Punnett square to solve a genetics problem.</td>
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<th>Intended Learning Outcome:</th>
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<tr>
<td>Review Punnett squares and increase student’s ability to solve genetic problems.</td>
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<th>Instructional Procedure:</th>
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<td>- Students will be given genetics problems that they will solve using a Punnett square.</td>
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<td>- Students could be asked to solve a problem on the board. Sample: Cross a homozygous tall plant with a heterozygous tall plant (TT x Tt). Answer: 50% TT, 50% Tt.</td>
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<th>How to Measure Outcome:</th>
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<tr>
<td>Students’ ability to solve genetic problems by using a Punnett square.</td>
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