Teacher and Learner Responsibility in Science Activities

<table>
<thead>
<tr>
<th>Who determines the question/problem?</th>
<th>Learner</th>
<th>Teacher / Learner</th>
<th>Teacher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who determines the procedure/design?</td>
<td></td>
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<tr>
<td>Who determines the results/analysis?</td>
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</tbody>
</table>

**Learner**
The learner determines. The teacher may have a small role. (Note that, in this context, “Teacher” may also refer to lessons from science kits and other curriculum materials.)

**Teacher/Learner**
The teacher determines some parts and the learner determines some parts. There are a number of ways in which teachers and learners can share responsibilities. The following are some examples:

**The question/problem**
The students raise a number of questions after exploring materials. The teacher chooses one of these questions for the students to investigate.

**The procedure/design**
The teacher provides the procedure. The students decide how to record the data.

**The results/analysis**
The teacher tells students to expect to find a pattern in the data. The students figure out what the pattern is.

**Teacher**
The teacher determines. The learner may have a small role.

**NOTE:** This chart draws upon ideas from the following: