# GWTIP Educational Transfer Plan (2011)

## Teacher Information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Diane Scott</td>
</tr>
<tr>
<td>School</td>
<td>SRMS</td>
</tr>
<tr>
<td>Grade Level and Content</td>
<td>6th grade Language Arts</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:diane.scott@lcps.org">diane.scott@lcps.org</a></td>
</tr>
<tr>
<td>Companies Visited</td>
<td>INOVA and PPI</td>
</tr>
</tbody>
</table>

## Educational Transfer Plans

### Workplace Competencies (21st Century Skills)

- Problem Solving & Decision Making
- Group work
- Customer Focus
- Planning & Organizing

### Academic Competencies (SOLs)

- Reading SOL 6.5b
  - Make, confirm, or revise predictions

  Students will design and write justifications for changes in patient rooms in an ICU unit given certain constraints (patient is mobile, but can only walk a few feet; patient is heavy and not easily moved; nurses must be able to see directly into patient room from the nurses’ station). They will work in pairs with one student being the nurse expert and another being the architect. They will then share what really happened at INOVA when nurses were involved in designing a new ICU unit with architects. A nurse who participated in the redesign would be invited to visit the classroom and share the creative thinking steps that were involved in the design process. Students could present their designs/justifications.

### Personal Effectiveness Competencies (Dispositions)

- Interpersonal skills
- Initiative
- Willingness to Learn

## Other Classroom Applications:

- Students might use a similar lesson to design a classroom given certain constraints.
- A field trip to INOVA to view a typical patient room and a pediatric room could be planned. This could be part of a lesson on compare/contrast.
### Workplace Competencies (21st Century Skills)

I plan to incorporate the use of a decision matrix to foster critical thinking in a 6th grade ELL Language Arts classroom. PPI uses a matrix approach in their product development process and this system would be useful in a 6th grade research project.

1. Problem Solving & Decision Making/Creative Thinking
2. Working with Tools & Technology

### Academic Competencies (SOLs)

Reading SOL 6.5g

“Students will select informational sources appropriate for a given purpose”.

The lesson used to teach this SOL directs students to conduct an internet search on differences between African and Asian elephants. Students are instructed to use four different search engines and select the one they like best using a decision matrix. Decisions would be shared with the class during presentation of the elephant report (comparing size, environment, life span, etc.). Results could also be shared with other ELL classes as recommendations for web base research projects.

### Personal Effectiveness Competencies (Dispositions)

1. Interpersonal Skills
2. Integrity (initiative) (working independently)

### Other Classroom Applications:

- Invite one of the PPI product development staff to share a lesson on the use of a decision matrix in the engineering design process.
- Include PPI in Seneca Ridge’s annual career presentations to 8th grade students (Career Café).
- Include instruction on use of Excel for preparation of a decision matrix.