Designing Physical Microworlds for Learning

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Immersion

Microworld
Welcome to the Enchanted Forest!
Creature Factory

Design and Create Magical creatures that live in the enchanted forest!
Reflection
Contextual Foundations
Introduction to Creative Learning
Duct Tape Network
Constructionism

forward 50  right 90  forward 50  right 90

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### Students Feelings Matter

<table>
<thead>
<tr>
<th>Students who experience:</th>
<th>Tend to Feel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meanness &amp; Cruelty</td>
<td>Fearful &amp; Hopeless</td>
</tr>
<tr>
<td>Positive Relationships</td>
<td>Accepted &amp; Connected</td>
</tr>
<tr>
<td>Engaging Instruction</td>
<td>Hopeful &amp; Interested</td>
</tr>
<tr>
<td>Relevance &amp; Meaningfulness</td>
<td>Happy &amp; Respected</td>
</tr>
</tbody>
</table>
4 Ps of Creative Learning

- Projects
- Peers
- Passion
- Play
How to Facilitate Constructionist Learning?
Microworld
Physical Microworld
Welcome to the Enchanted Forest!
Microworld Attributes
Adoption
Taking Creative Learning "home"
Your role as a Teacher

As an Educational Designer

As a Learning Facilitator

As a Researcher
Where to begin from?
Designing Physical Microworlds for Learning

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