How does making improve motivation?

IBSC Action Research Project 2015

‘Boys as Makers’
Introduction

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Motivation

“Internal and external factors that stimulate desire and energy in people to be continually interested and committed to a job, role or subject, or to make an effort to attain a goal. Motivation results from the interaction of both conscious and unconscious factors such as the

- intensity of desire or need,
- incentive or reward value of the goal,
- expectations of the individual and of his or her peers.

These factors are the reasons one has for behaving a certain way.”

Taken from: http://www.businessdictionary.com/definition/motivation.html#ixzz3RaCdYus7
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Our Definition of Motivation

- Feeling positive about the project (enjoy what they are making)
- Being comfortable with the teacher and/or their teaching style
- Having a reasonable amount of positive self-belief about successful achievement in the task
- Feel that there is learning going on and an improvement in skills
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Process

Students were asked to produce the following:

- A working prototype capable of achieving the task
- An iBook which kept an accurate account of their research, design, create and evaluation phases
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Action

MAKER RESEARCH

Scotch College 2014/2015

Steven Riddell
Stephen McLean
Analysis of Data

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- % of Students who enjoyed the task
- % of Students who were comfortable with Student Led Learning
- % of Students who believed they could achieve success in the task
- % of Students who felt they improved skills or knowledge
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Comparison with existing methodology

<table>
<thead>
<tr>
<th>Dimensions of Learning *</th>
<th>Scotch Steves</th>
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</thead>
<tbody>
<tr>
<td>Do I feel accepted?</td>
<td>(As a valuable class member through contributions and feedback)</td>
</tr>
<tr>
<td>Am I comfortable?</td>
<td>Being comfortable with the teacher and/or their teaching style</td>
</tr>
<tr>
<td>Can I make mistakes?</td>
<td>Feeling positive about the project (enjoy what they are making)</td>
</tr>
<tr>
<td>Is this information useful to me?</td>
<td>Feel that there is learning going on and an improvement in skills</td>
</tr>
<tr>
<td>Can I do this?</td>
<td>Having a reasonable amount of positive self-belief about successful achievement in the task</td>
</tr>
<tr>
<td>Do I know what is expected?</td>
<td>(Assessment schedule set in class and discussions while task is done)</td>
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</tbody>
</table>

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Thanks,

Scotch Steve’s