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SCOTCH  
COLLEGE



# *How does making improve motivation?*

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***IBSC Action Research Project 2015***

***'Boys as Makers'***



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## 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."*



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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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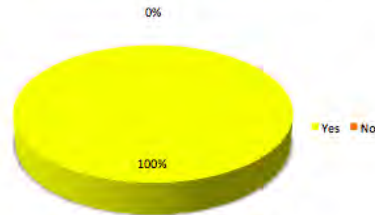
Action



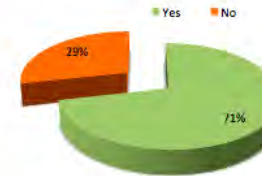
# How does making improve motivation?

## Analysis of Data

% 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



# How does making improve motivation?

## Comparison with existing methodology

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





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Thanks,



Scotch Steve's

