

Emerging Technology Project

ITEC 7445
Chris Stephenson

A vision of reflective learning using “GoPro”



A camera that mounts to a helmet or hat

Supports engaged technology vision for Atlanta International School

All students are able to reflect on inquiry based learning using technology

Strategic Plan

- Initial project Pilot
- Report and evaluate
- Professional Development
- Expansion
- Communication to community



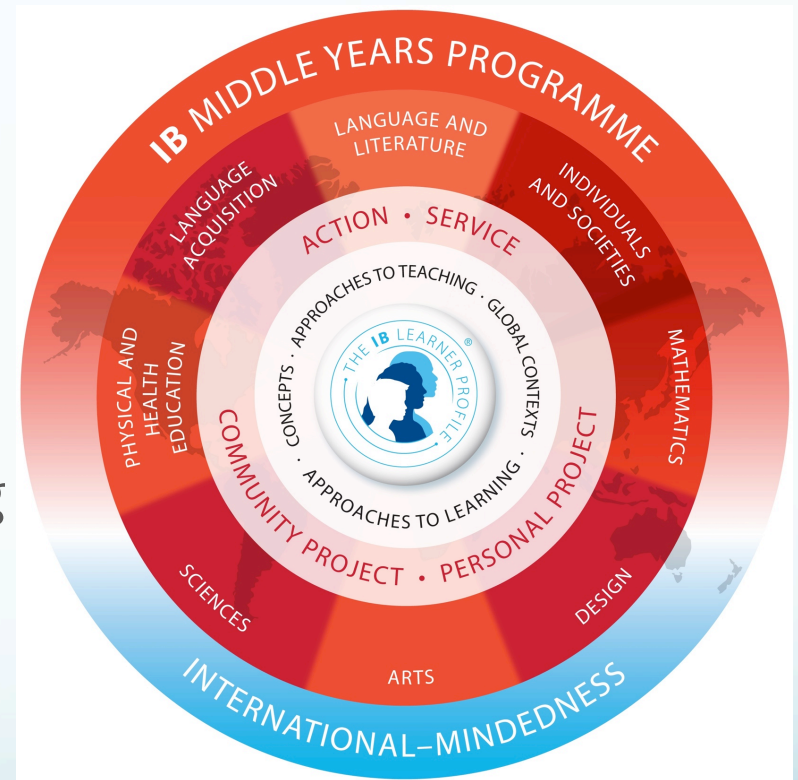
Funding

- Initial funding package from school technology funding
- Private partnership



MYP Criteria

- MYP Next Chapter:
 - Alignment of four criteria for all 8 subjects
 - Authentic integration of technology into teaching and learning
 - Action and Service learning supported
 - Differentiated learning



Atlanta International School Technology Standards

- Meet the ISTE Standards (Students and Teachers)
- Meeting ITEM accreditation
- Part of Project 3C mobile computing strategy

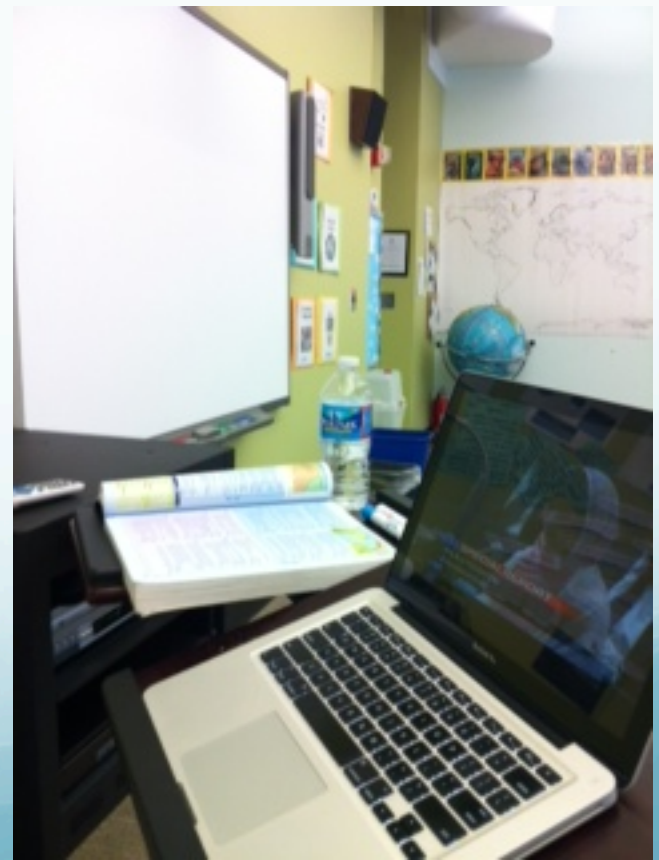
Promoting authentic and collaborative learning

- Integrate into field work
 - Year 1
- Experimentation in classroom
 - Mapping
 - Geology experiments (soft rock – chemical erosion)



Command Terms

- Students embrace learning by using GoCam activities to:
- Support instructional Design
 - Describe
 - Explain
 - Evaluate
 - Assess



Equipment / Software

Vented Helmet Strap Mount

HERO3 White Edition

The perfect entry-level GoPro. Features video resolutions up to 1080p30, 5MP photos up to 3 frames per second, an ultra wide angle lens and built-in Wi-Fi

Wireless capacity throughout school



Technical Support

- Director of Technology
- Technology Coaches
- In-house IT support
- Pilot Teachers

<http://gopro.com/support>



Limitations

- Unreliable wireless campus-wide
- Secure central storage
- Faculty adoption



Costing

1 Hero 3 White = \$199.99

1 Vented Helmet Strap = \$14.99

Technical support is free

In-house support and PD training

The screenshot shows a mobile application interface. At the top, there is a black bar with a blue play button icon and the text "Free Shipping". Below this, the page is split into two columns. The left column shows a product listing for "Vented Mount" with a price of "\$14.99" and a description: "Attach your kayak or other watercraft. Compatibility...". The right column is titled "YOUR CART" and contains two items: "HERO3 White Edition" priced at "\$199.99" and "Vented Helmet Strap Mount" priced at "\$14.99". Each item has a quantity of "1" and a close button. Below the items, a grey box displays "Subtotal: \$214.98". At the bottom of the cart, there is a green button labeled "CHECKOUT" with a right-pointing arrow.

SOFTWARE & APP

Free Shipping

YOUR CART

HERO3 White Edition \$199.99

Vented Helmet Strap Mount \$14.99

Subtotal: \$214.98

CHECKOUT

Research

- Lacking clear data as technology use is in outdoor realms
- Some rudimentary data from suggesting:

Pros	Cons
Assists individual understanding of student learning need	Technical issues around lack of external microphone built in
Ease to reflect on body language	Investment in planning time and energy in implementation
Distinct advantage in collaborative learning	Novelty value

Reflection

- Excellence in Geography education
- Experiential learning for Inquiry based learning
- Reflective learning
- Diverse learners
- ESOL learners

Bibliography

Kindt, D. (2013, Jan Mon). *First impressions from recording in the classroom with a GoPro® head-mounted camcorder*. (D. Kindt, Producer) Retrieved Nov 2013, 2013, from academia.edu:

<http://www.academia.edu/842636/>

[First impressions from recording in the classroom with a GoPro head-mounted camcorder](#)