

# Hiding Behind the Camera:

Cooperative learning  
using flip cameras with  
secondary school girls

V. Goodyear, A. Casey, D. Kirk

**Context**

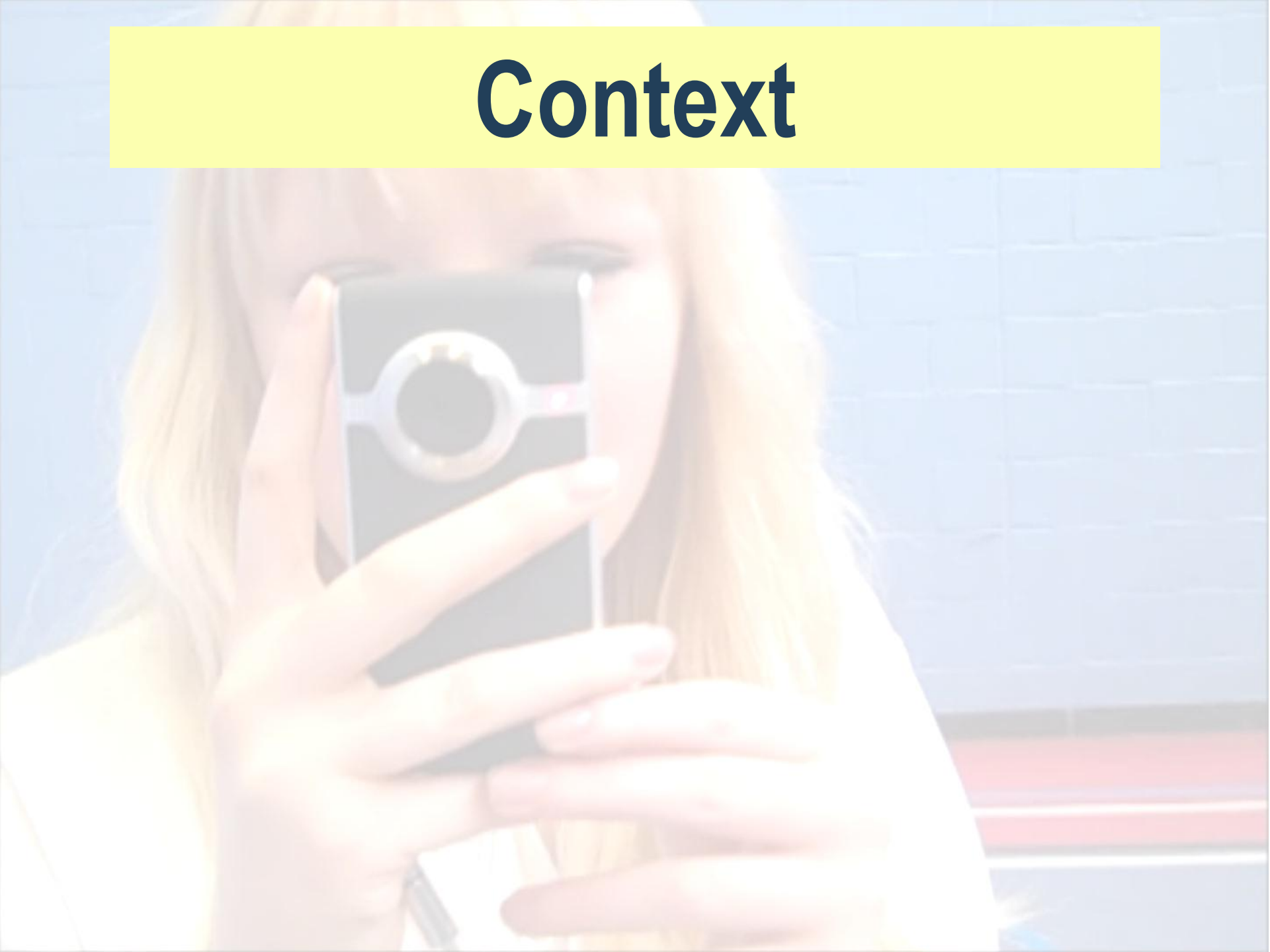
**Cooperative Learning**

**Method**

**Results**

**Conclusion**

# Context





**Pedagogy has  
resisted change**



Work  
together  
to learn

Technology

Physical Education  
resembles an  
industrial age logic

Fernandez-Balboa, 2003; Lawson, 1995, 2009; Locke, 1992; Penney & Chandler, 2000; Tinning & Fitzclarence, 1992



Teacher Centred



# Multi-Activity Approach





Mastery of skill

Not effective for  
Learning

Fernandez-Balboa, 2003; Lawson, 1995, 2009; Locke, 1992; Kirk, 2010  
Penney & Chandler, 2000; Tinning & Fitzclarence, 1992

# Girls Alienation from Physical Education

**Public displays  
of performance**

**Not Fun**

**Not meaningful or relevant  
to them**



## Year 10 *Girls*

- **Refused to bring kit**
- **Refused to take part**
- **Disruptive**

**Re-engage  
them in PE**



# Stuck in the past

The way  
students learnt



The way I  
taught

# **Cooperative Learning using Flip Cameras**

Fernandez-Balboa, 2003; Dyson, Griffin & Hastie, 2004; Hastie, Casey & Linehan, 2010

# Cooperative Learning

A person with long blonde hair is holding a smartphone up to their face, partially obscuring it. The background is a blue brick wall. The text 'Cooperative Learning' is overlaid in a dark green box with yellow text.

# Student Centred

# Teacher Facilitator

# Heterogenous Teams

**Academic & Social  
Learning are on par**

# Engaged disengaged girls in physical education

Dyson & Strachan, 2000

# Positive Interdependence

Barrett, 2005; Dyson & Strachan, 2000; Dyson, Linehan & Hastie, 2010

# Individual Accountability

# Positive Interdependence

Equipment  
manager

Coach

Encourager

## Individual Accountability

Tick if you agree that each team members participated in their roles

Jess

Holly

Lauren

Lisa

Claire

# Cooperative Learning & Technology



Hastie, Casey & Tarter, 2010

## **PREDICTION:**

**Cooperative learning using  
flip cameras will engage girls  
in physical education**

A person with long blonde hair is holding a black smartphone in front of their face, partially obscuring their eyes. The background is a blue brick wall. A green horizontal banner is overlaid across the middle of the image, containing the word "Method" in yellow text.

# Method

# Unit of Basketball

# Heterogeneous teams

**a) help each other to learn**

**b) film clips of their  
learning and opinions  
of physical education**

# POSITIVE INTERDEPENDENCE

**Coach**  
**Camerawoman**  
**Equipment Manager**  
**Discussion Manger**  
**Participant**

# INDIVIDUAL ACCOUNTABILITY

**Signatures**

**‘Caught on Camera’**

**5 minute movie on their  
learning and opinions**

A person with long blonde hair is holding a smartphone in front of their face, partially obscuring their eyes. The background is a light blue brick wall. A dark blue horizontal banner is overlaid across the middle of the image, containing the word "Results" in a bold, yellow, sans-serif font.

# Results



**Coach**

**Cameraswoman**

# Non-Sporty

Refuse to  
bring kit

Disliked  
PE

Low  
ability

Refuse to  
participate



**Sporty**

**Play for school  
sports teams**

**Liked PE**

**High ability**

**Always  
participate**



**Other members of the team would copy the behaviour of which ever student was closest to their peer group**

# The coach

"just read it off the  
sheet"



**Off task behaviour**



# The coach

"I like the way we get to teach each other"

# Engaged the whole team



**Cameraswoman**

plays in a game

## Outcomes

→ Plan with group and attempt to use  
in a game 5a

→ Use attacking principles in a  
game with some success 6c/6b

→ Be able to effectively and  
consistently perform attacking plays 6a/7c

Quick Press from  
Rebound



Using skills  
within a game

DANCE

A faded, grayscale photograph of two young women sitting on concrete steps. The woman on the left is wearing a light-colored, possibly white, button-down shirt. The woman on the right is wearing a dark jacket over a light-colored collared shirt. Both are looking towards the camera with slight smiles. The background is a plain, light-colored wall.

"I like making the videos it was cool"

**Engaged with the  
role of the  
Camerawoman**

***Social and  
cognitive***

***NOT: Physical***



**Disliked the role  
of the  
camerawoman**

A person with long blonde hair is holding a smartphone in front of their face, partially obscuring their eyes. The background is a light blue brick wall. A dark blue horizontal banner is overlaid across the middle of the image, containing the word "Conclusion" in a bold, yellow, sans-serif font.

# Conclusion

**Not an instant way  
of resolving  
challenges**

**Girls have different  
experiences of  
their bodies in  
physical culture**

Azzarito, 2010; Azzarito & Sterling, 2010; Holroyd, 2002; Oliver, 2001

# Influencing their behaviour

Azzarito, 2010; Azzarito & Sterling, 2010; Holroyd, 2002; Oliver, 2001



# Need Consideration





Only disengaged girls that wanted to use  
technology

**Sporty failed to  
participate in the  
role of the  
camerawoman**



**Hide Behind the Camera**

**What is  
participation in  
physical  
education?**

**English**  
**Maths**  
**Science**

**Physical**

**Performance  
Outcomes**

**Students  
becoming film  
makers engaged  
them in learning**



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