

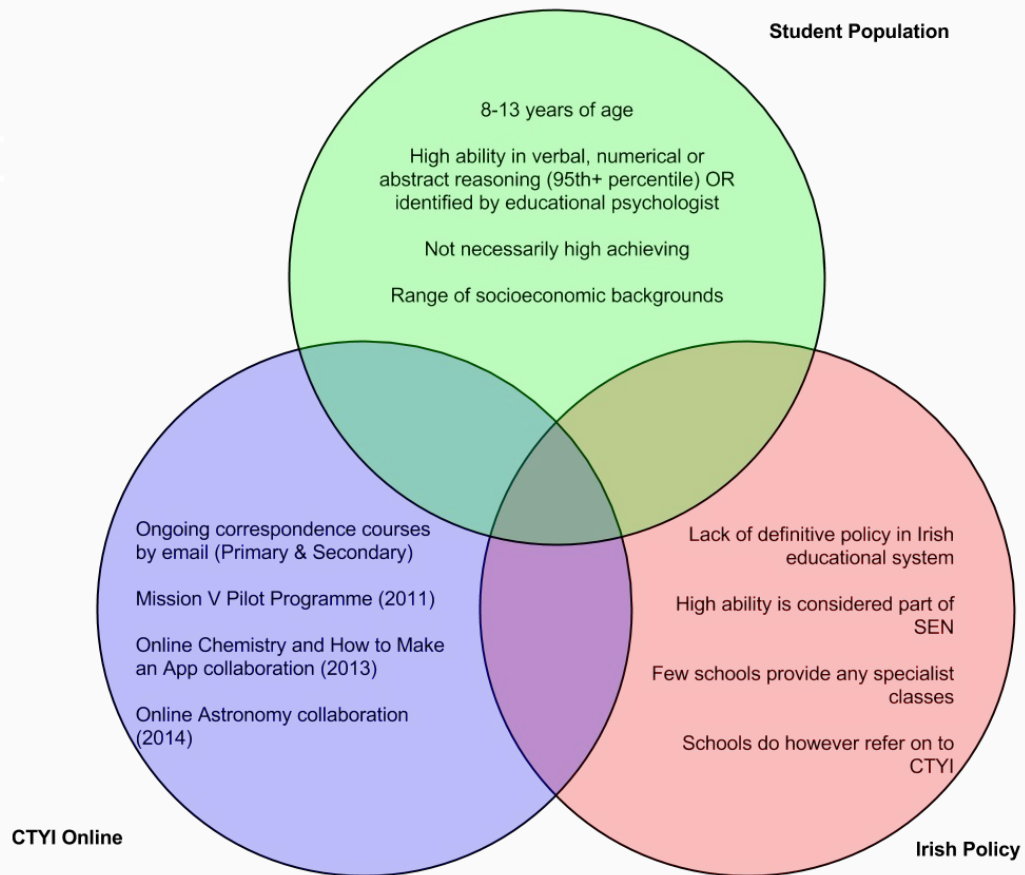
A Synchronous Online Learning Programme for Gifted & Talented Primary Students

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Context

Context



Current Examples

Centre for Talented Minds Online Programme

- AP Focus (Accelerative)
- Asynchronous focus
- Grade 7+ (age 12-13+)

IGGY

- Access to University level (Enrichment)
- Asynchronous focus
- Social network (Age 13+)

Development

Cycle 1 - 2013 Comparative Pilot

Cutting Edge Science

Online Classes

Offline Classes

90

90

90

Cycle 1

Findings

Both online and offline placed high value on social interactions

Online saw decrease in social interactions with other students

Online students saw lower perceived academic gains

Noted duration of classes as too long

Cycle 2 Interventions

Change in class plan and layout (3x90 to 6*60)

Move to Google Hangouts

Cycle 2

Cycle 2

42 Students

Forensic Science

How to Make an App

Creative Writing



Cycle 2

Findings

Need for clear instructional model

Need for clear class management plan

Project work preferred

Interesting parental behaviour

Interesting out of class behaviour

Interest in increased social interaction

Phase 2 Interventions

Pre-course online instructor orientation

Pre-course online student orientation

Post class social time

Project based lesson planning

Adoption of Google Apps for Education

Cycle 3

Cycle 3

42 Students

World of Harry Potter

Animation

Experimental Science



Cycle 3

Initial Findings

Social interactions facilitated by breaks
and post class social time

Instructors have interest in continuous
projects and assignments

Students, Parents & Instructors find the
mediating technology easy to use

Instructors have a sense of distance
between them and their students

Future Cycles

Future of the Programme

Training



Instructor

Humanities

Student

Creative Arts

Parent

STEM

Asynchronous Discussion

Ongoing Project