



COLEGIO MENOR  
QUITO  
A NORD ANGLIA EDUCATION SCHOOL

# A Dynamic and Effective Approach to Classroom Observations

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# Agenda

- Our view of technology in education
- Our Problem/Challenge
- The Process
- A dynamic and effective tool to observe lessons virtually and face to face.
  - Data collection
  - Data analysis
  - Impact Instruction and student learning
- App Design in Education



# The Role of Technology in Education



Support and enhance our definition teaching and learning



Make processes more effective and efficient.



Support teachers to create and design engaging and meaningful learning activities.



Help leaders, teachers and student solve problems.



Innovate processes and procedures to impact student learning



Prepare students for the future



# OUR CHALLENGE

- To innovate how classroom observations were carried out.
- To find a dynamic, engaging, friendly and efficient tool that allows school leaders and teachers to observe lessons and find the indicators that align with our definition of teaching and learning.
- Finding a tool that adapts to our specific needs and move away from off the shelf templates and solutions.



# From Paper to Forms to App

## DIFFERENTIATED INSTRUCTION CLASSROOM OBSERVATION FORM

School: \_\_\_\_\_ Grade: \_\_\_\_\_ Subject: \_\_\_\_\_ Period/Time: \_\_\_\_\_

Teacher: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Observer: \_\_\_\_\_

I. CONTEXT/GOAL SETTING	Strong	Some	None
1) Established clear <b>learning goals</b> (knowledge, understanding, skills).			
2) Linked new subject matter to <b>prior learning</b> and/or <b>experience</b> .			
3) Most students appear aware of and <b>understand</b> the learning goals.			
4) Provided <b>rubrics</b> or <b>other guides</b> to focus students on goals.			
5) <b>Closed the class</b> with a focus on goals/meaning of lesson.			
<b>Comments:</b>			

II. STUDENT ASSESSMENT	Strong	Some	None
1) Implemented & used results of <b>pre-assessment</b> to adjust the lesson.			
2) Implemented assessment <b>during lesson</b> to gauge understanding.			
3) Attended to <b>student questions/comments</b> during lesson.			
4) Implemented assessment at <b>end of lesson</b> to gauge student learning.			
<b>Comments:</b>			

III. ATTENTION TO INDIVIDUALS/BUILDING COMMUNITY	Strong	Some	None
1) <b>Talked</b> with students as they entered/exited class.			
2) Connected with <b>individual students</b> during class.			
3) Helped develop awareness of one another's <b>strengths/contributions</b> .			
4) Involved whole class in <b>sharing/planning/evaluating</b> .			
<b>Comments:</b>			

Strategic  
Research

Form Notifications

QUESTIONS RESPONSES 29

### Form Notifications Sample Form

Form description

Name

Short answer text

Email Address

Short answer text

Your Choice?

Option 1

Option 2

Option 3

Color Preference?

Short answer text

FORM NOTIFICATIONS

**Notify me**

My email addresses (comma-separated)  
susan@exampl.ecom

Send notifications after every  
15 responses (default 10)

**Notify respondents**

Which question asks for their email?  
Email Address

Notification email subject:  
Thanks for filling out our form!

Notification email body:  
Thank you for responding to our form!

Form Notifications by Google



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# THE PROCESS



# THE PROCESS: EMPATHIZE

- Meetings/Interviews with Head of School
- Meetings with Principals
- Meetings with IT
- Research



# THE PROCESS: DEFINE

- Definition of teaching and learning.
- Indicators of best teaching practices.
- What would the app look like and how would it function





# THE PROCESS: DEFINE

- Considerations, User Experience, Feedback, Communication as Final Objective



# THE PROCESS: IDEATE

- Brainstormed ideas
- User experience
- Functions
- Dynamic, simple, effective
- Data collection
- Data analysis
- Teacher reflection
- Impact Instruction



# THE PROCESS: PROTOTYPE

- 3 Tools
- 1 month prototyping
- Tested by Head of School

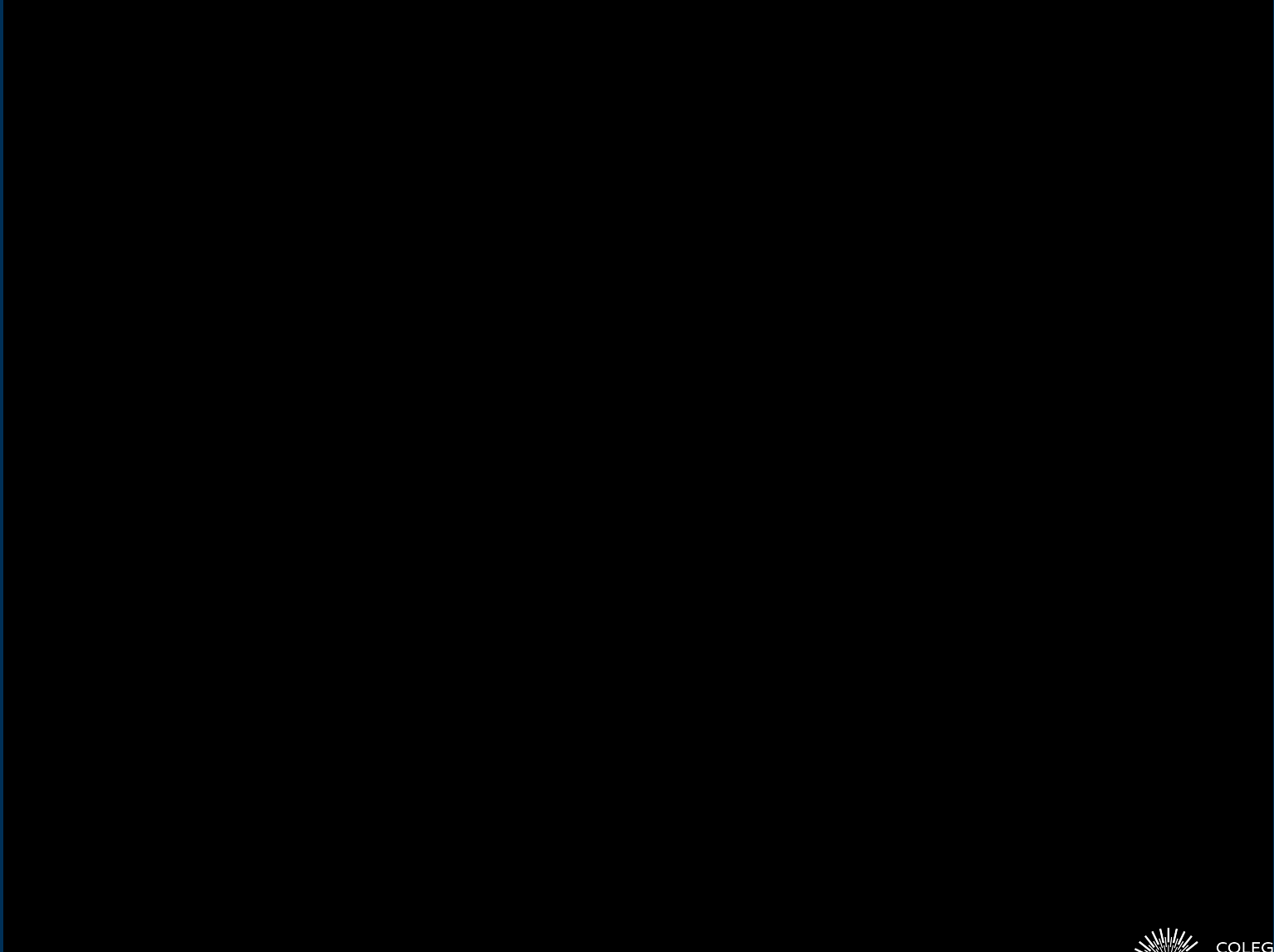


# THE PROCESS: TEST

- Tested by Head of School & Principals
- Feedback form
- Data Collection



# END PRODUCT



# Reflection and Impact

- School leaders and teachers

Immediate observation feedback

- Consider indicators on student engagement and learning
- Teacher Self-reflection
- School-wide frequency trends on indicators observed
- Define professional learning opportunities.



# NEXT STEP: APP DESIGN FOR STUDENTS

- Motivation & Engagement
- Creativity
- Problem solving
- Computational Thinking
- Design Thinking
- Interdisciplinary



# THANK YOU!

*\*A delta and a plus*

## Questions?

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