Home / School Communication. The problems

The printed newsletters often not being read

Printed newsletters have a significant environmental footprint, [paper, toner, disposal].

Newsletter pdf on school website not getting many hits

School website. not optimised for mobile devices

The focus
Home / school communications are vital to the good running of any school, as everyone needs to be informed and needs to feel involved.

The Hook
Awareness raising of the problem and sticky note activity

Terminology that can be taught and used

Abstraction
Algorithm
Branching
Carbon Footprint
Categorical Data
Collaborative Document
Computational Thinking
Data
Database
Dataset
Decompose
Design Thinking
Designing
Digital Citizenship
Digital Environment
Digital Footprint
Digital Solution
Digital System
Functionality
Graphic Organiser
Graphics Technologies
IF Statement
Information system
Intellectual Property IP
Multimedia
Project
User Interface UI

How this lesson sequence relates to ACARA Digital Technologies Content Descriptors & Glossary

Sustainability and community needs of new newsletter app
Relates to
(ACTDIP021)

Survey answers put into spreadsheets, sorted and made into charts
Relates to (ACTDIP016)

Extension activity
Making a Home /School communication User Interface [UI], either a website optimised for mobiles or a tablet app
Relates to (ACTDIP020)

Flowchart of newsletter User Interface UI production to show
Relates to (ACTDIP019)

Introduce Assessment Rubrics and re-iterate them through the series of lessons

The Big Question
Is there a more efficient and sustainable solution to home / school communication? [What are the digital alternatives?]

Would a solution that requires a robust internet and a high level of device ownership [especially smartphone / tablet ownership], be useful for our school community?

Other considerations

Technical possibilities

What does national data say? [Reading / analysing datasets]

What other data do we need? [Making / analysing local datasets]

Copyright / Intellectual Property [IP]

Equity of access

Mobile friendly newsletter on school website?

Tablet / mobile phone app?

Multimedia rich emailed newsletter?

How do we organise and sort data?

Digital Footprint

How do we analyse and synthesize these datasets ?

What actions will be informed by this data capture and analysis?

Planning, using graphic organisers or flow charts, an evidence based, improved home / school communication ...

Extension activity Student constructed trial of one of these User Interfaces UI

• Project managing the construction of an evidence based improved home / school communication User Interface [UI].
• Testing the product with a sample of users.
• Evaluating the user experience.
• Modification of UI
• Release of new home / school communication user interface [UI].