SHARING HEARTS ACROSS THE POND
Our vision is to be a global leader in professional design services, bringing value to clients through innovation while being committed to excellence, sustainability and sound business principles.
what does a heart mean to him?
…what does a heart mean for a school?
ASA ACADEMY
HEART & SOUL
NEWHAVEN UTC
HEART RESUSCITATION
ST. JOHNS SCHOOL
STAKE THROUGH THE HEART
The Jacquard Loom is a **mechanical loom** that has holes punched in pasteboard, each row of which corresponds to one row of the design. Multiple rows of holes are punched on each card and the many cards that compose the design of the textile are strung together in order.

Charles Babbage took inspiration from the Jacquard loom and used perforated cards in his Analytical Engine. The **Analytical Engine** which was to combine the array of adding gears of his earlier Difference Engine with an elaborate punch-card operating system.

Ada Lovelace speculated that the Engine 'might act upon other things besides number... The idea of a **machine that could manipulate symbols** in accordance with rules and that number could represent entities other than quantity mark the fundamental transition from calculation to computation.
Proposed Strategy – Design algorithm output
The Ada Lovelace Story
Students to design the window pattern for the school
THE PROCUREMENT PROCESS

A. Introduction
- Present and discuss
  - Team introductions
  - Review and confirmation
  - Key adjacencies
  - Early design thoughts
  - Planning issues

- Material
  - Initial ITT brief analysis
  - Site analysis diagrams
  - Initial options/strategies
  - Precedents

- Milestones
  - Confirm understanding of all elements of scheme aspirations
  - Comment on initial options
  - Arrange specialist meetings; planning, EA, Heritage, transport

B. Brief & Strategy
- Present and discuss
  - Process summary:
    - What to expect
    - Review of HFS aspirations
    - Organisation structure and key adjacencies
    - Design concept options review
    - Overall area analysis
    - Masterplan: Strategic approach to site

- Material
  - Brief analysis
  - Adjacency diagrams
  - Developed options/strategies

- Milestones
  - Confirm understanding of all elements of education vision
  - Agree organisational diagram
  - Refine developed options
  - Initial statutory consultations / updates

C. Concept & Organisation
- Present and discuss
  - Feedback from session 1
    - Development of preferred option – 2/3 Storey
    - Discussion on elevations
    - Phasing & logistics
    - Affordability check

- Material
  - Plans / section drawings
  - Internal layouts
  - Organisational diagrams
  - Strategy diagrams/details
  - Engineering concept diagrams

- Milestones
  - Review and comment on technical strategies
  - Agree Adjacencies

D. Design Development
- Present and discuss
  - Feedback from session 2
  - Feedback from Planning

- Material
  - Schedule of Accommodation
  - Development of preferred option
  - Elevations / Material
  - Precedences
  - Site masterplan development
  - Initial review of FFE
  - Affordability check

- Material
  - Schedule of Accommodation
  - Developed concept layout
  - Learner’s Journey
  - Initial site masterplan
  - Landscape proposals

- Milestones
  - Sign-off Schedule of Accommodation
  - Agree preferred option
  - Agree Landscape Strategy
**Technical Proposals**

- Present and discuss
  - Feedback from session 3
- Engineering responses
- Structures
- Drainage
- Mechanical & Electrical Acoustics
- Sustainability/BREEAM review
- Phasing & logistics
- FF&E / ICT Design Review
- Affordability check

**Buildings & Layouts**

- Present and discuss
  - Feedback from session 4
- Feedback from Planning
- Feedback from M&E, FF&E, and ICT presentations
- Interior Design Concepts
- FF&E Design Review
- Landscape Scheme
- Final Internal layouts, and organisation
- Review external materials and elevation options
- Affordability check

**Finalise Design**

- Present and discuss
  - Feedback from session 5
- Review of key requirements of brief/vision
- Detailed layout review
- External detailed Elevations
- Circulation and Access
- Passive Supervision
- Zoning strategy
- Security strategy
- Fire strategy
- Toilets
- Interior and FF&E strategy development
- M&E Structural and civil engineering proposals
- ICT Infrastructure proposals

**Final Presentation**

- Present and discuss
  - Review of key requirements of brief/vision
- Detailed Layout review
- Landscape review
- Technical, strategies
- ICT and FF&E
- Construction & Phasing
- Affordability
- Confirm presentation and future programme requirements
- Prepare for planning

**Material**

- Developed landscape design
- 3D impressions – the Learner’s Journey

**Milestones**

- Review landscape design
- Review and comment on technical strategies
- Agree Technical Approach
- Agree Phasing and Logistics Plan

- Site masterplan sign off
- Layout sign off
- Agree preferred elevation concept and materials

- Feasibility Submission
- Final drawings

- Feasibility Submission
- Final drawings
- Affordability Confirmation
STAKEHOLDER ENGAGEMENT
THE PROCESS
THANK YOU FOR LISTENING
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