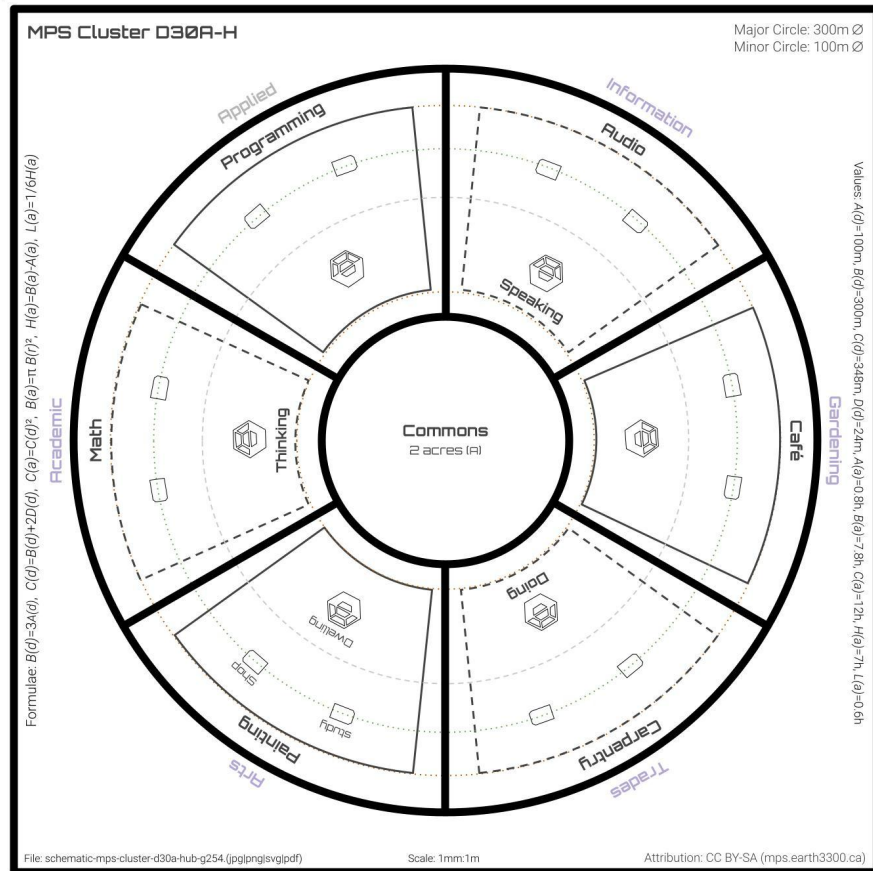


Q: Does the Design of a Community Impact its Ability to be Self-Sufficient?

30 Acre Demo for a Self-Sufficient Community



The following questions were asked in creating the models for the community designs in this project:

- What skills, trades and professions are needed?
- What is the minimum number to start with?
- Where should they be in relation to each other?
- Can geometry aid in creating a schematic?

A hybrid single cluster schematic has been created beginning with the minimalist three person hub model recently developed and incorporating the previously designed full sized model for 36 to 180 people. It retains the central commons area with six surrounding properties, but makes each lot a pie shaped wedge, rather than a hexagon; making it simpler to layout. This results in a more compact configuration. A generous naturalized buffer is retained.

Each property is allocated to a single primary adult, where they may ply their trade or profession, allowing for up to four additional people (a family) per lot, as the model proves itself. Their trade or profession is one of six, selected from the list of 36 developed for the full-sized model.

With fewer individuals on this 30 acre property, a broader range of skills is expected. The major categories are: trades, arts, nutrition, information, academic and applied. Specific disciplines pulled from this list are: math and data (thinking), engineering and carpentry (doing), and audio and painting (speaking/communicating). The first in each of these pairs is intended to be one of the three founding members of this cluster.

Each primary adult will initially interact and do business with the others at the boundary between their lot and the commons area, then move to doing business at the outside boundary. One of the segments will be later chosen for interaction with the broader community.

The central commons area is reserved for children playing and schooling during the daytime hours, and peace, meditation and quiet during the evening and early morning hours. It is also a space where the odd evening concert may be held. Each individual agrees to respect the other's property and not come on it unless invited.

On a daily, weekly or seasonal basis, additional time available beyond that needed to provide for contracted needs is available to meet the needs of the broader community.

This single cluster design is intended to allow for the refinement of the multi-person systems model before committing more time, resources and people to the full-sized project, which currently set at 100ha (250 acres). This D30A-H design is being licensed as Creative Commons.