KNOXBRIDGE PARK
DESIGN A SUSTAINABLE COMMUNITY
Your ultimate goal is to make sure that the investors in the development gain the best return for their money and time.

It’s very important to note, however, that you can’t do this simply by spending as little as you can on the development. If it is to be a success it has to attract residents to buy houses, and meet at least some of the expectations of other groups in the community.

You will have to balance these needs carefully if you are to build Knoxbridge into a place where people want to live.
**CULTURAL TEAM**

**QUESTION 1:** Conduct your research then make your decision

**WATER QUESTION 1**

Decide on the landscaping design for the community

- High yield, high water use
- 30% English Country Garden and lawns
- 50% Food plants
- 20% Indigenous and native plants

**Select one of the following options:**

- **High water use - lush**
  - 60% English Country Garden and lawns
  - 30% Food plants
  - 10% Indigenous and native plants

- **High yield, high water use**
  - 30% English Country Garden and lawns
  - 50% Food plants
  - 20% Indigenous and native plants

- **Drought tolerant**
  - 10% English Country Garden and lawns
  - 10% Food plants
  - 80% Indigenous and native plants

- **Creating habitat**
  - 30% English Country Garden and lawns
  - 20% Food plants
  - 50% Indigenous and native plants

- **Native and productive**
  - 0% English Country Garden and lawns
  - 80% Food plants
  - 40% Indigenous and native plants
ENGLISH TEAM

**QUESTION 2**: Conduct your research then make your decision

**WATER QUESTION 1**
Choose the design model for managing stormwater in the community.

- Infiltration trenches, swales and litter traps to filter and slow the water to existing creeks and water ways.

**WATER QUESTION 2**
Decide on the percentage of hard, porous and undeveloped surfaces in the community.

- Very soft
  - (20% hard surfaces, 30% porous 50% natural)

- Very Hard
  - (60% hard surfaces, 30% porous 10% natural)

- Hard
  - (50% hard surfaces, 30% porous 20% natural)

- Medium
  - (40% hard surfaces, 40% porous 20% natural)

- Moderate
  - (40% hard surfaces, 30% porous 30% natural)

- Soft
  - (20% hard surfaces, 40% porous 40% natural)

- Very soft
  - (20% hard surfaces, 30% porous 50% natural)
**WATER QUESTION 1**
Decide on the scale of rainwater collection to be installed in Knoxbridge Park.

Modest water harvest: 25%
Residential tanks 2,000lt
5 x Communal tanks 10,000 lt

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**WATER QUESTION 2**
Decide the source of residents' water.

Mains for drinking and washing and toilet. Untreated tank water for gardens.

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**COMBINED RESULTS**
Combined results of question 1 and 2 for each team.
Community vote

ECONOMIC TEAM

QUESTION 1

Decide on the installation of water efficient appliances in residential and commercial buildings.

Install hot water re-circulation systems to all residences.

Select one of the following options:

- No installation (thereby leaving it up to the consumer or tenant.)
- Install minimum WELS rated appliances.
- Install the best available WELS rated appliances.
- Install hot water re-circulation systems to all residences.
- Option text.
- Option text.

Submit