

Art:

- Draw plans for the futuristic village
- Build a tabletop model of the village with one *moving* part

Health:

- Select one vegetable and one protein to grow in the future village

Community Guests:

- Invite community leaders to talk about the current infrastructure that supports the local community and its natural resources

Community Service:

- Build a Green Infrastructure project in the community

Careers:

- Investigate careers in: engineering, architecture, community planning, and agriculture

Skills For a Healthy Life:

- Participate in solving social, community life challenges
- Design ways to supplement food sources with fresh foods

Cultural Studies and History:

- Integrate cultural values into the design of the future community
- Identify buildings and environmental components important to the local community to include in the design

Language Arts:

- Compose a poem connecting the ideas of function and beauty (aesthetics)
- Read articles about biomimicry and food production
- Write a narrative essay to describe the future village
- Publish visions of the future village

Science & Technology:

- Define biomimicry
- Include principles found in the organization of the natural world into plans for the future village
- Investigate sustainability and Green Infrastructure
- Implement clean energy and renewable energy in village design
- Research producing food in northern latitudes
- Identify and describe natural resources of the location
- Participate in solving energy problems



Designing Villages and Communities for the Future

Math:

- Increase understanding of ratios, proportions, and scale
- Calculate ideal volume or weight of food production required to supplement village food supply

Geography:

- Describe the geographical location of the future village
- Determine boundaries of future village with latitude and longitude sectors
- Draw a detailed illustrative map of the future village