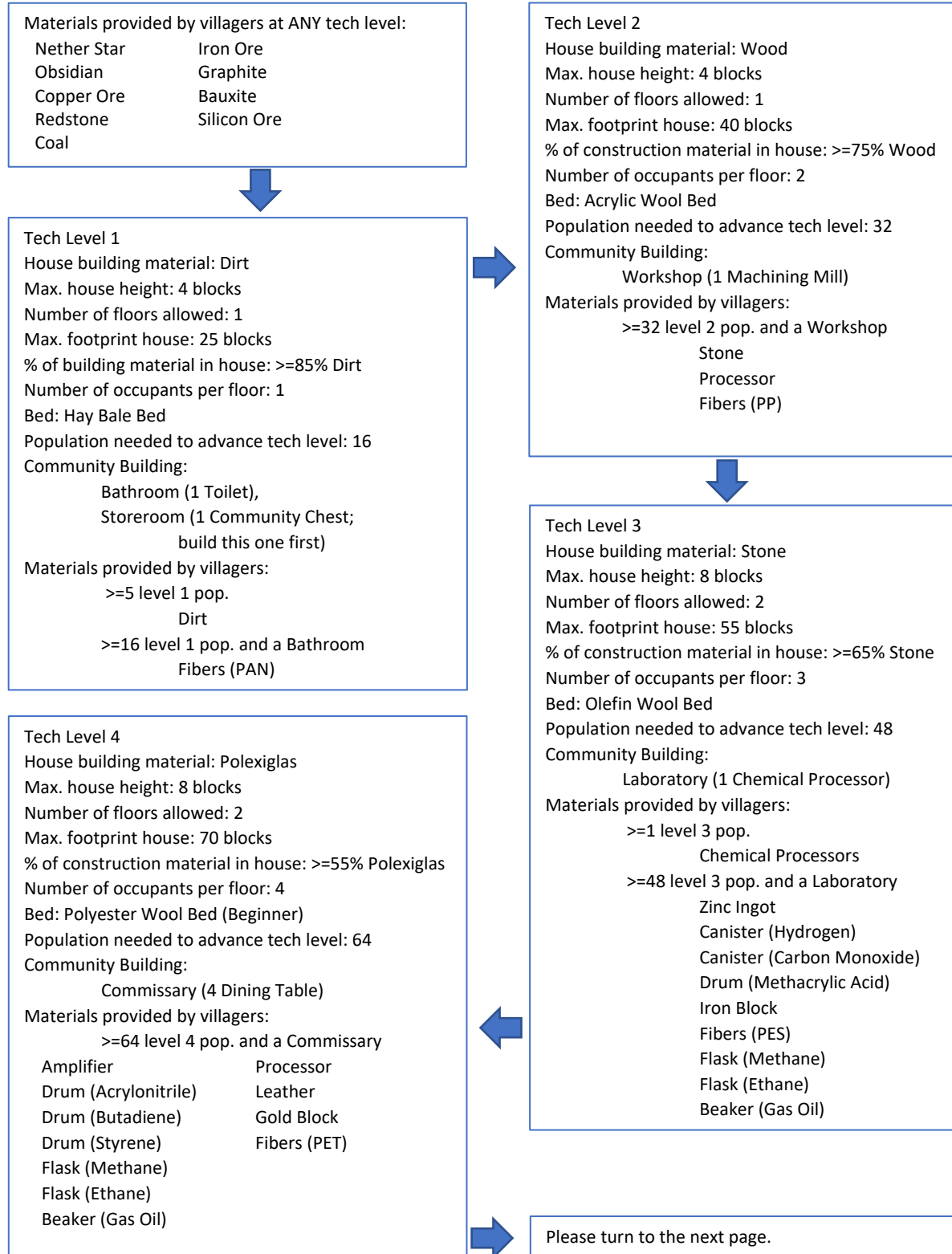




## 2023 BEST Robotics Refugee Crisis Challenge – Cheat Sheet



### Tech Level 5

House building material: ABS Bricks  
Max. house height: 12 blocks  
Number of floors allowed: 3  
Max. footprint house: 85 blocks  
% of construction material in house:  $\geq 50\%$  ABS Bricks  
Number of occupants per floor: 5  
Bed: Polyester Wool Bed (Intermediate)  
Population needed to advance tech level: 80  
Community Building:

Library (10 Bookshelf)

Materials provided by villagers:  
 $\geq 80$  level 5 pop. and a Library.

Block of Copper

Block of Tin

Fibers (Nylon 6)

Diamond Block

Flask (Methane)

Flask (Ethane)

Beaker (Gas Oil)

Leather

### Tech Level 6

House building material: Bronze  
Max. house height: 16 blocks  
Number of floors allowed: 4  
Max. footprint house: 100 blocks  
% of construction material in house:  $\geq 45\%$   
Number of occupants per floor: 7  
Bed: Nylon Wool Bed (Beginner)  
Population needed to advance tech level: 96  
Community Building:

School (3 Enchanting Tables)

Materials provided by villagers:  
 $\geq 96$  level 6 pop. and a School.

Temperature Sensor      Fibers (Nylon 6,7)

Amplifier                      Block of Titanium

Processor                      Flask (Methane)

Block of Nickel              Flask (Ethane)

Block of Chrome              Beaker (Gas Oil)

Graphite                      Leather

Iron Block                      Bioreactor

### Tech Level 8

House building material: Carbon Fiber Resin  
Max. house height: 24 blocks  
Number of floors allowed: 6  
Max. footprint house: 130 blocks  
% of construction material in house:  $\geq 35\%$   
Number of occupants per floor: 9  
Bed: Nylon Silk Bed (Advanced)  
Population needed to advance tech level: 128  
Community Building:

Art Gallery (25 Paintings)

Materials provided by villagers:  
 $\geq 128$  level 6 pop. and an Art Gallery.  
Surprise...

### Tech Level 7

House building material: Stainless Steel  
Max. house height: 20 blocks  
Number of floors allowed: 5  
Max. footprint house: 115 blocks  
% of construction material in house:  $\geq 40\%$  Stainless Steel  
Number of occupants per floor: 8  
Bed: Nylon Wool Bed (Intermediate)  
Population needed to advance tech level: 112  
Community Building:

Clinic (1 Bioreactor)

Materials provided by villagers:  
 $\geq 112$  level 7 pop. and a Clinic.

Temperature Sensor

Amplifier

Processor

Block of Nickel

Block of Chrome

Graphite

Iron Block

Fibers (Nylon 6,7)

Block of Titanium

Flask (Methane)

Flask (Ethane)

Beaker (Gas Oil)

Leather

Bioreactor

### Hints:

- . Build the Storeroom first to receive the donations from the villagers. The Storeroom can have up to 1 Community Chest per Tech Level.
- . For a house to be valid, a door must be surrounded by blocks of the building material of the correct tech level.
- . When a house is validated, the information on the top left of your screen will change.
- . Increase your score and villagers' happiness by decorating the houses with plants and