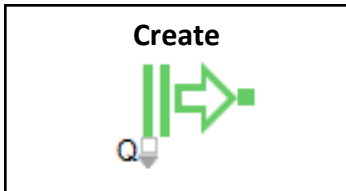
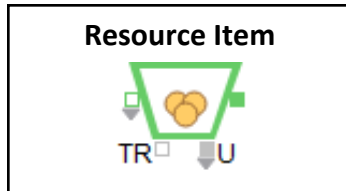


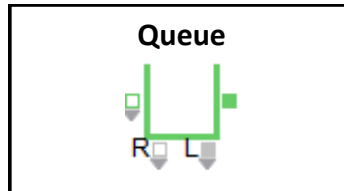
Blocks that **Create** items



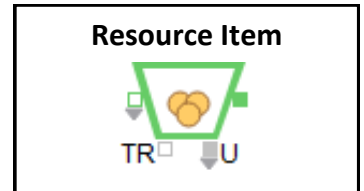
Creates items randomly, and by schedule, and it can have an infinite supply.



Holds and provides items (cars, workers, orders, etc) to be used in a simulation.

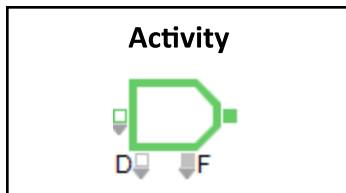


Queues items and releases them based on a user selected queuing behavior.

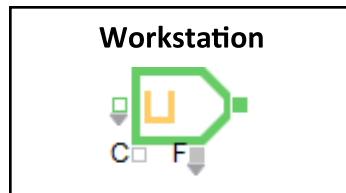


Holds and provides items (cars, workers, orders, etc) to be used in a simulation.

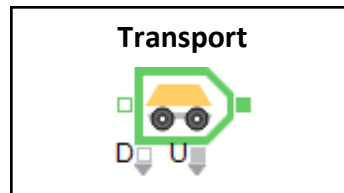
Blocks that **Delay** items



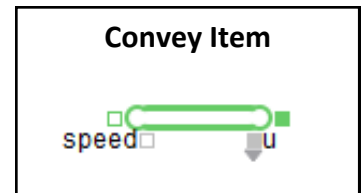
Holds items and passes them out based on the process & arrival time.



Behaves as a workstation that has both processing and queuing aspects.



Moves items from one point to another based on **distance** and **speed**.



Moves items from one location to another based on **speed** and **distance**.

Blocks that **Route** items



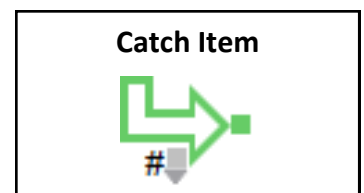
Property, Connector Priority, Random, Select Connector, or Sequential routing options.



Item Priority, Random, Select Connector, Sequential, or Merge routing options.

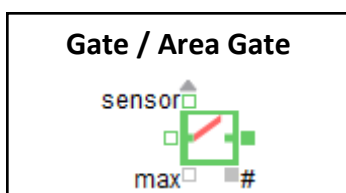


Throws items to a Catch block without an output connection line.

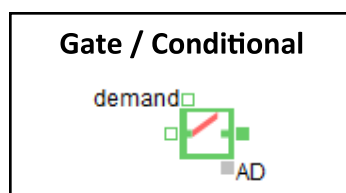


Catches items sent by Throw Item blocks without an input connection line.

The **Gate** controls the passing of item

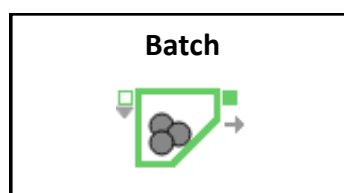


Controls the number of items allowed into a certain section of the model.

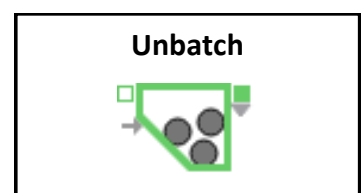


Passes an item only when certain conditions exist at the demand input.

Blocks that **Batch & Unbatch** Items



Allows items from several sources to be joined as a single item.



Produces multiple items from a single input item.

Blocks that **Set, Get, and View Item Properties**

Cycle Time & more ...

Read & Write data

Set & Get

Sets or Gets the properties of items passing through the block.

History

Views and displays information about the items that pass through it.

Information

Use the timing attribute to determine the start time for the CT Calculation.

Read & Write (Item)

Read & Writes to the database as the item passes through it.

Blocks that model **Resources** (Also includes the Resource Item)

Read & Write data

Resource Pool

Holds resource pool units to be used in a simulation.

Queue

Release items when their required resources are allocated.

Resource Pool Release

Releases a specified type and number of resources.

Read & Write (Value)

Read & Writes to the database (or other sources) as the connectors wake it up.

Common **Value** Blocks

Constant

Provides a constant value typically used for setting the inputs at other blocks.

Lookup Table

Contains table of values to calculate an output value based on time or input.

Decision

Makes an Yes / No decision based on comparing the A value to the B value.

Equation(I) / Equation

Calculates a user defined equation from connectors and other input variables.

Common **Value** Blocks

Math

Common functions include add, subtract, multiply, divide, round, fix decimal place

Simulation Variable

Outputs the value of a simulation variable like the Current Time.

Holding Tank

Accumulates the total of the input values.

Random Number

Generates a random number from the selected distribution.

Common **Interface** Blocks (Utility Library)

Common **Stats** Blocks

Common **Chart** Blocks

Button

Popup

Statistics / Mean & Variance

Line Chart