

## Pick-and-Place Objects

There will be total 10 objects for pick-and-place in the competition. The exact 10 objects will be revealed to the teams two days before the competition. They will be selected from a pool of 20 objects. Ten of the 20 objects are provided in this description. Each successful pick-and-place gain the contestants 5 pts. The total possible points are 50.

The following objects are from YCB object set:

Plastic strawberry

Scotch Brite Dobie sponge

Plate

Fork

Mug

Scissors

Large marker

Baseball

Their models can be downloaded from

<http://rll.eecs.berkeley.edu/ycb/>

Their pictures can be found at

<https://dl.dropboxusercontent.com/u/2613378/object%20list.pdf>

There are two additional items in the pool:

Water bottle

Soap bar

At the pick-and-place stage of the competition, the objects are placed in a shopping basket on a table. The target placing location and orientation will be defined for each object.

The shopping basket is or similar to

[https://www.amazon.com/Firefly-Store-Solutions-Shopping-Basket/dp/B009SNTM7M/ref=sr\\_1\\_3?ie=UTF8&qid=1468673802](https://www.amazon.com/Firefly-Store-Solutions-Shopping-Basket/dp/B009SNTM7M/ref=sr_1_3?ie=UTF8&qid=1468673802)

\* All rules and objects are subject to change due to availability, space limitation, time constraints, etc.