

M01 Cider Press

The cider press bar is rotated into a scoring position (10 pts yellow, 20 pts blue)

Red

Yellow

Blue

M02 Lift

The bar is latched into the high position (20 pts)

No

Yes

Trophy hanging from the lift (20 pts each)

0

1

2

M03 Lime Kiln Chute

Regolith emptied from the chute (10 pts)

No

Yes

M04 Corral

Rain barrel within 10 mm of the corral (15 pts)

No

Yes

Each hay bale at least partially in the corral and not touching the mat (5 pts each)

0

1

2

3

Pony at least partially in the corral and not touching the mat (20 pts)

No

Yes

M05 Truck

Truck parked inside the dirt driveways (20 pts)

No

Yes

Rain Barrels completely in the truck (10 pts each)

0

1

2

Regolith completely in the truck (10 pts each)

0

1

2

M06 Rain Collection Storage Tower

Rain collection barrels removed from the storage tower (20 pts)

No

Yes

Trophy hanging from the Rain Collection Storage Tower (20 pts each)

0

1

2

M07 Architectural Blocks

Architectural block at least partially in the Cider Circle (5 pts each)

0

1

2

3

4

Architectural block at least partially in the Old Stone Circle (10 pts each)

0

1

2

3

4

M08 Methods Used. To score points for this mission, the method used must be a meaningful part of the scoring solution. For example, squaring up on a mission model or wall to line up the robot before scoring points would be meaningful but squaring up on a mission model or wall after all scoring has been completed would not be. It is left to the discretion of the referee to determine if the spirit of this rule has been met. Students must point out to the referee when the robot uses one of the methods!

Meaningful use of line following to successfully complete one or more missions. (10 pts)

No

Yes

Meaningful use of squaring up on a wall or mission model to successfully complete one or more missions. (10 pts)

No

Yes

Meaningful use of wall following to successfully complete one or more missions. (10 pts)

No

Yes