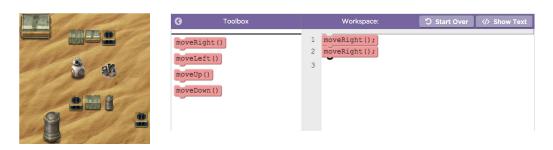




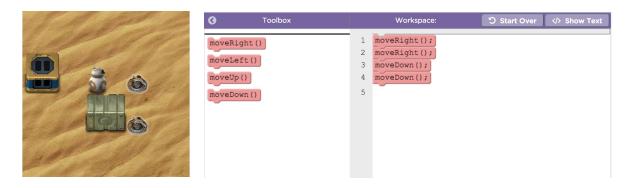
Answer Sheet & Teacher Tips

Level 1:



Solution: Move right (X2)

Level 2:



For more information, visit http://code.org/hourofcode/star-wars

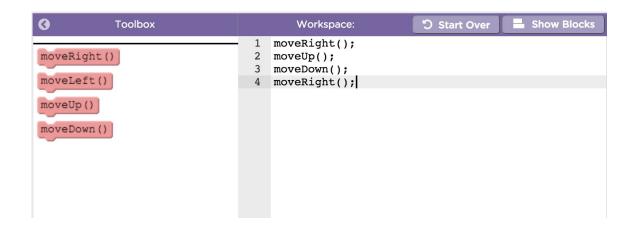


Solution: Move right (X2), Move left (X2)

Level 3:



Solution: Move right, Move up, Move down, Move right





```
0
            Toolbox
                                    Workspace:
                                                   り Start Over
                                                                  </>
Show Text
                                     moveRight();
                                 1
moveRight()
                                 2
                                     moveUp();
moveLeft()
                                 3
                                     moveDown();
                                     moveRight();
moveUp()
                                 4
                                 5
moveDown()
```

Level 4



Solution: Move down, Move left (X2), Move down (X2), Move left

```
Toolbox

Workspace:

in moveDown();
 moveLeft();
 moveLeft();
 moveUp()

moveDown();
 moveDown();
 moveDown();
 moveDown();
 moveDown();
```



```
3
                                                               </>
Show Text
           Toolbox
                                  Workspace:
                                   moveDown();
moveRight()
                                2
                                   moveLeft();
moveLeft()
                                3
                                   moveLeft();
moveUp()
                                   moveDown();
                                5
                                   moveDown();
moveDown()
                                6
                                   moveLeft();
                                7
```

Level 5



Solution:



```
0
            Toolbox
                                      Workspace:
                                                        ' Start Over
                                                                         Show Blocks
                                  1
                                     moveRight();
moveRight()
                                  2
                                     moveRight();
                                  3
                                     moveDown();
moveLeft()
                                     moveDown();
                                  4
                                  5 moveDown();
moveUp()
                                  6 moveLeft();
                                  7
moveDown()
0
           Toolbox
                                                                  </> Show Text
                                    Workspace:
                                  moveRight();
moveRight()
                                2
                                   moveRight();
moveLeft()
                               3
                                  moveDown();
```

moveDown();

moveDown();

moveLeft();

4 5

6

7

Level 6

moveUp()

moveDown()



For more information, visit http://code.org/hourofcode/star-wars



Solution:

```
0
           Toolbox
                                   Workspace:
                                  moveDown();
moveRight()
                               2
                                 moveDown();
moveLeft()
                               3
                                 moveUp();
moveUp()
                               4
                                 moveRight();
                               5
                                 moveRight();
moveDown()
                               6
                                 moveUp();
                               7
                                  moveDown();
                               8
                                  moveRight();
                               9
                                                                 Show Blocks
0
                                  Workspace:
           Toolbox
                                1 moveDown();
moveRight()
                                2 moveDown();
                                3 moveUp();
moveLeft()
                                4 moveRight();
                                5 moveRight();
moveUp()
                                6 moveUp();
                                7 moveDown();
moveDown()
                                8 moveRight();
                                9
```

Level 7





Solution:

```
0
            Toolbox
                                       Workspace:
                                  1
                                     function whenUp()
goUp()
                                  2
                                       goUp();
goDown()
                                  3
function whenUp() {}
                                  4
                                     function whenDown()
                                  5
                                       goDown();
function whenDown() {}
                                                                       Show Blocks
0
            Toolbox
                                     Workspace:
                                 1 - function whenUp() {
goUp()
                                 2
                                      goUp();
                                 3
goDown()
                                 4 - function whenDown() {
                                 5
                                      goDown();
function whenUp() {}
                                 6
function whenDown() {}
```

Level 8





Solution:

```
5 Start Over
           Toolbox
                                     Workspace:
goRight()
                                     function whenUp()
                                 2
                                      goUp();
goLeft()
                                 3
goUp()
                                    function whenDown() {
                                 4
goDown()
                                 5
                                      goDown();
                                 6
function whenLeft() {}
                                    function whenLeft()
                                      goLeft();
function whenRight() {}
                                 8
                                 9
function whenUp() {}
                                    function whenRight() {
                                10
                                11
                                      goRight();
function whenDown() {}
          Toolbox
                                   Workspace:
                                1 - function whenUp() {
goRight()
                                     goUp();
                                3 }
goLeft()
                                4 - function whenDown() {
                                5
                                     goDown();
goUp()
                                6
                                7 - function whenLeft() {
goDown()
                                8
                                    goLeft();
                               10 - function whenRight() {
function whenLeft() {}
                               11
                                     goRight();
                               12
function whenRight() {}
                               13
function whenUp() {}
function whenDown() {}
```



Level 9



Solution:

NOTE: just adding 100 points is not enough so must either add 100 points three times or change point amount

Examples below:

```
Toolbox

Workspace: Start Over ♦ Show Text

playSound("R2-D2sound1")

addPoints(100)

function whenGetRebelPilot() {

playSound(▼"R2-D2sound1");

addPoints(500);

function whenGetRebelPilot() }

}
```



Level 10:





```
5 Start Over
0
            Toolbox
                                       Workspace:
                                                                      </> Show Text
playSound("R2-D2sound1")
                                      function whenGetStormtrooper() {
                                  1
                                  2
                                        playSound(▼ "R2-D2sound1");
addPoints(100)
                                        removePoints(100);
                                  3
removePoints (100)
                                  4
                                  5
                                     function whenGetRebelPilot()
function whenGetStormtrooper
                                  6
                                        addPoints(100);
function whenGetRebelPilot()
                                  7
                                      function whenGetMynock()
                                  8
function whenGetMynock() {}
                                  9
                                        addPoints(100);
                                 10
                                 11
            Toolbox
                                      Workspace:
                                                      り Start Over
                                                                        Show Blocks
                                  1 - function whenGetStormtrooper() {
playSound("R2-D2sound1")
                                  2
                                       playSound("R2-D2sound1");
                                  3
                                       removePoints(100);
addPoints(100)
                                  4 }
                                  5 - function whenGetRebelPilot() {
removePoints(100)
                                  6
                                       addPoints(100);
                                  7
                                  8 - function whenGetMynock() {
function whenGetStormtrooper
                                  9
                                       addPoints(100);
                                 10
function whenGetRebelPilot()
                                 11
```

Notes: This is a free play level. While suggestions of point value are given via Leia, one can determine to add or remove points and of any value, one can also choose any noise for each action. If students are having trouble with this one, have them add 1000+ points when they get the Rebel Pilots or Mynock.

function whenGetMynock() {}



Level 11:

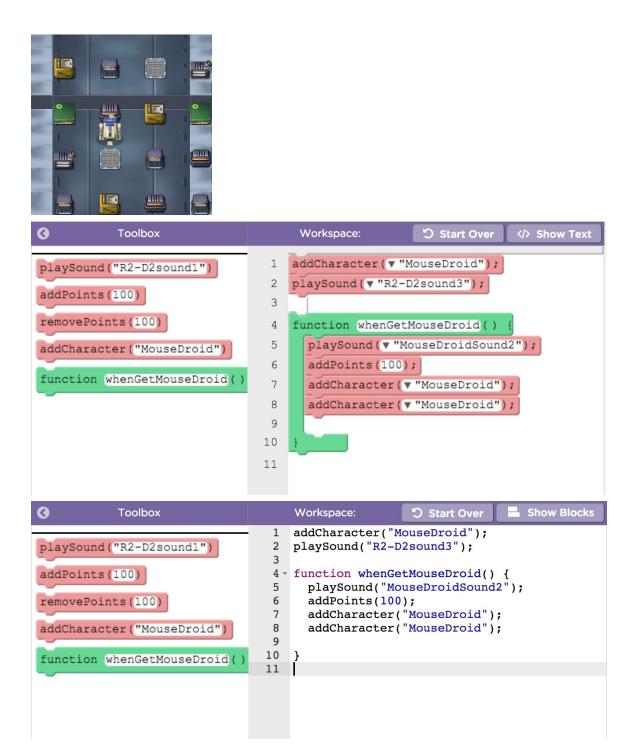




Notes: same free form re: points, sound. Must add at least 3 puffer pigs



Level 12:



For more information, visit http://code.org/hourofcode/star-wars



Notes: can add any number of mouse droids or any number of points to change pace of level.

Level 13:





```
Toolbox
                                      Workspace:
                                                       り Start Over
                                                                     </> Show Text
                                    addCharacter(▼"Tauntaun");
playSound("R2-D2sound1")
                                    addCharacter (▼ "Tauntaun");
                                 2
addPoints(100)
                                 3
                                    function whenGetTauntaun()
removePoints(100)
                                 4
                                       playSound(▼"TauntaunSound4");
                                 5
                                       addPoints(50);
addCharacter("MouseDroid")
                                 6
                                       addCharacter(▼"Mynock");
function whenGetMynock() {}
                                 7
                                       addCharacter(▼ "Mynock");
                                 8
function whenGetMouseDroid(
                                 9
                                    function whenGetMouseDroid()
function whenGetTauntaun()
                                       playSound(▼ "MouseDroidSound2");
                                10
                                11
                                       addPoints(100);
                                12
                                13
                                    function whenGetMynock()
                                       addCharacter(▼ "MouseDroid");
                                14
                                15
                                       addCharacter(▼ "MouseDroid");
                                16
```

```
Show Blocks
           Toolbox
                                    Workspace:
                                                     5 Start Over
                                 1 addCharacter("Tauntaun");
                                 2 addCharacter("Tauntaun");
playSound("R2-D2sound1")
                                 3 - function whenGetTauntaun() {
addPoints (100)
                                      playSound("TauntaunSound4");
                                 5
                                      addPoints(50);
                                      addCharacter("Mynock");
removePoints(100)
                                 6
                                      addCharacter("Mynock");
                                 7
                                 8 }
addCharacter("MouseDroid")
                                 9 - function whenGetMouseDroid() {
                                10
                                      playSound("MouseDroidSound2");
function whenGetMynock() {}
                                11
                                      addPoints(100);
                                12
function whenGetMouseDroid()
                                13 - function whenGetMynock() {
                                      addCharacter("MouseDroid");
                                14
                                      addCharacter("MouseDroid");
                                15
function whenGetTauntaun()
                                16
                                17
```

Notes: One can change sounds, functions, points, number of Myncoks/ droids/ Tauntauns that appear etc. → more free form



<u>Level 14:</u>

Note: This is a free play level. You can do whatever you like. The only goal is to get rebel pilots.

Two examples:







```
Toolbox
                                     Workspace:
                                   addCharacter(▼ "RebelPilot");
setDroid("R2-D2")
                                   addCharacter(▼ "RebelPilot");
setDroidSpeed("fast")
                                   addCharacter(▼ "RebelPilot");
                                 3
setBackground("Hoth")
                                   playSound(▼"R2-D2sound4");
                                    setDroid(▼"R2-D2");
                                 5
setMap("blank")
                                    setMap(▼"horizontal");
playSound("R2-D2sound1")
                                    setDroidSpeed(▼ "fast");
                                7
                                 8
addPoints(100)
                                    function whenGetRebelPilot()
                                 9
removePoints(100)
                               10
                                      addPoints(400);
addCharacter("PufferPig")
                                      setBackground(▼"random");
                               11
                               12
function whenGetRebelPilot()
                               13
                               14
```



```
Toolbox
                                              Workspace:
                                                                                        Show Blocks
                                         addCharacter("RebelPilot");
addCharacter("RebelPilot");
addCharacter("RebelPilot");
playSound("R2-D2sound4");
setDroid("R2-D2");
setDroid("R2-D2")
setDroidSpeed("fast")
                                          6 setMap("horizontal");
setBackground ("Hoth")
                                          7 setDroidSpeed("fast");
setMap("blank")
                                          8
                                          9 - function whenGetRebelPilot() {
playSound("R2-D2sound1")
                                        10
                                                addPoints(400);
                                        11
                                                setBackground("random");
addPoints(100)
                                         12
                                         13
                                         14
removePoints(100)
addCharacter("PufferPig")
function whenGetRebelPilot()
```