

Robot Jobs

Lab 4 Images

Suggested Role Responsibilities

Builder

- Check the Code Base is set up
- Connect the Brain
- Help design the project plan
- Start and Stop the project in VEXcode GO
- Deconstruct the Code Base

Journalist

- Launch VEXcode GO and name the project
- Write/draw the project plan
- Configure for Code Base
- Build the project in Play Part 2
- Sort pieces into Kits

Dirty Job 1 - Sewer Robot



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- Job: Sewer Cleaning and Mapping
- Sewers are dirty! It is unhealthy for people to be in the sewers.
- Sewer robots are designed to fit into small spaces where people cannot fit.

Dirty Job 2 - Mining Robot



- Job: Mine Exploration
- Mines are dirty (filled with dust and mud) and dangerous.
- Mining robots are used to map flooded passages or analyze rocks and minerals.

Dull Job 1 - Cleaning Robot



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- Job: Cleaning Floors
- Scrubbing floors takes time and can be boring.
- Cleaning robots come in all sizes! Small household robots to large robots cleaning floors in a mall.

Dull Job 2 - Warehouse Robot



- Job: Warehouse
- Moving around a warehouse to grab things is boring. Robots help to make retrieving items faster.
- Warehouse robots are great at fitting into small places so they can find the right items.

Dangerous Job 1 - Photographing Robot



- Job: Photographing animals
- People can't crawl up to a lion and take its picture. But, a robot can be programmed to drive much closer to an animal and take photos.
- Photographic robots also do jobs underwater with deep-sea creatures!

Dangerous Job 2 - Space Robots



- Job: Mars Rover
- Travelling and collecting data in on other planets is dangerous and sometimes impossible for humans.
- Robots hardware that allows them to collect and test the air, water and soil.

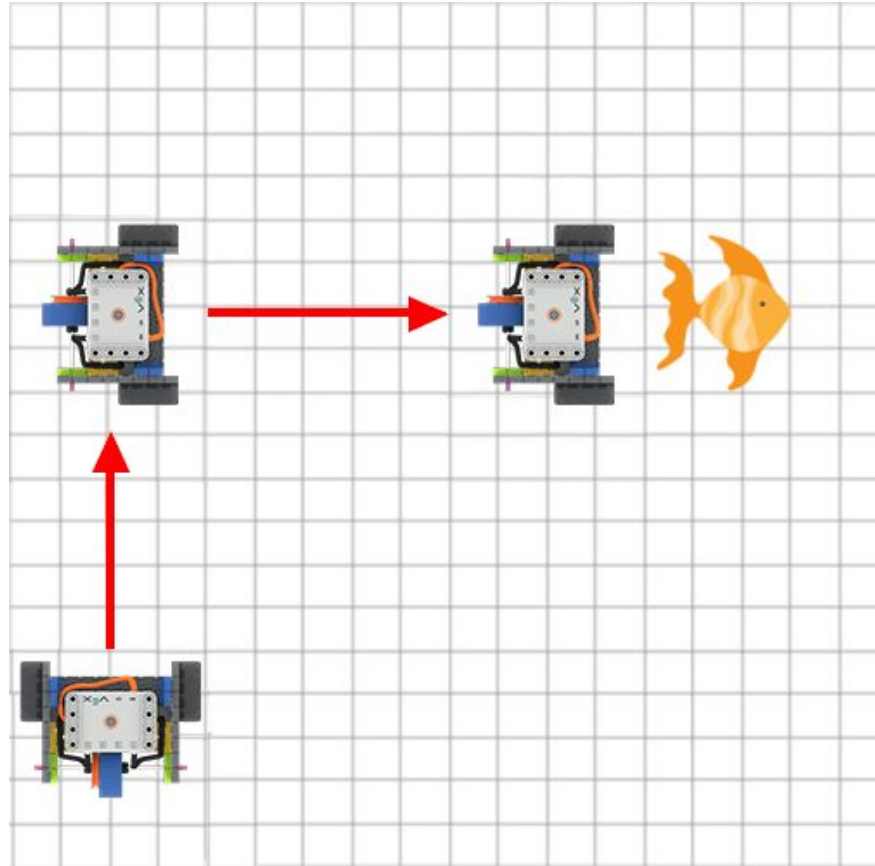
Code Base 2.0



Project Plan



Blueprint Sketch

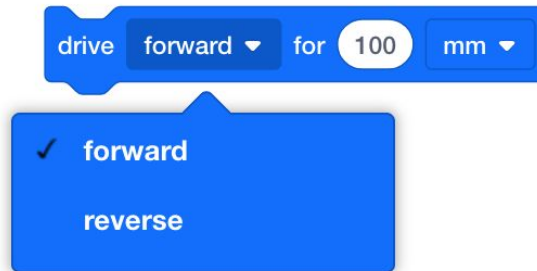


Using VEXcode GO Blocks

{When started}



[Drive for]



[Turn for]



Group Discussions

