

Task analysis for FLL group project

Gruppe 5

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1 Introduction

This paper aims to help categorize which kind of movement (**V**ertical, **H**orizontal, **P**recision or **C**omplex due to perceived difficulty rating) are required for the different FLL tasks, and what potential attachment will help us solve this.

Initial analysis			
Task	Name	Movement	Potential Solution
1	Coral Nursery	C	Rotational arm(?)
2	Shark	V	Rotational arm (Bau?)
3	Coral Reef	V(P?)	Rotation arm
4	Scuba Diver	C	Rotational arm (Bau)
5	Angler Fish	H	Vehicle? Rotational arm
6	Raise the Mast	V	Rotational arm
7	Kraken's Treasure	P	Rotational arm?
8	Artificial Habitat	Skip	Skipped
9	Unknown Encounter	H	Vehicle
10	Send over the Submersible	C (V)	Rotational arm
11	Sonar Discovery	C*	Vehicle + latch?
12	Feed the Whale	Skip	Skipped
13	Change Shipping Lanes	NYI	NYI
14	Sample Collection	C	Complex
15	Research Vessel	C	Complex