## Collaborative Lesson Planning Activity - Group #2



## **Digital Technologies Content Descriptor**

ACTDIP019: Design, modify and follow simple algorithms involving sequences of steps, branching, and iteration (repetition)

NSW Syllabus Outcomes MA3 - I WM - describes + represents mathematical situations variety of ways.

Title and Introduction which way, Robot ?

Metalanguage Position, location, rank, grid, direction, iterations, bornching, compass, rotations, degrees, loops.

Activity introduce activity: Robot Cleaner.

program robotic vocawon' (Edison, NXT) to through efficiently clean every part of a simple maze (ie go over all parts), then go back to "charger" (Icon of 4)

Frome as "charlesge teach group gets resources + time, then present.

Assessment and Reporting

-Time runs. Quidlest most efficient!
- Monitor group participation

Extention

Expess/ parth using mathematical language - record i

Prifferentiention less able: manually push robot (NXT) the enter data.

Resources Bols