

Citizen Schools – Amazing Mazes apprenticeship – WOW!

Agenda

Step, time	Activity	Role
1.	Introduction	Adnan + Haggai
2.	Key lessons learned in the apprenticeship:	
2:30 min.	<p>There are mazes everywhere:</p> <p>Different shapes and places Google Earth clip 1:30 GoogleEarth mazes everywhere.wmv</p> <p>Mazes of different sizes and difficulties: - MineCraft maze clip 0:50 – small maze vs. The Real Monster Maze MineCraft-small and big mazes.wmv</p>	<p>Show Clip + Explain: Eric</p> <p>Show Clip + Explain: Eric</p>
1 min.	<p>We learned how to create and program mazes: amazing-mazes-12-maze-draw.html</p> <ul style="list-style-type: none"> - Draw a couple of maze lines - Load the full maze: “complex 1” 	Show simulation + Explain: Alex
1:30 min.	<p>There are different ways to “solve mazes” (walk from the starting point to the target):</p> <ul style="list-style-type: none"> - Bird’s eye view and solution <ul style="list-style-type: none"> o Show Google Earth clip 0:20 GoogleEarth mazes - birds eye view.wmv - Inside view and solution <ul style="list-style-type: none"> o Show the MineCraft maze clip 1:15 MineCraft-inside view.wmv 	Show clips + Explain: Amanda
2 min.	<p>We learned how to program a maze walker to solve mazes: amazing-mazes-12-programming.html</p> <ul style="list-style-type: none"> - Show a bird’s eye view program - Show an inside view program left walk.txt 	Show programs + Explain: Daniel
3.	Competition	
2 min.	<p>We’d like to run a competition between our maze walking program and a human volunteer: amazing-mazes-competition.html</p> <ul style="list-style-type: none"> - Run the competition on slower speed <p>Ask for another volunteer for the competition</p> <ul style="list-style-type: none"> - Run the competition on faster speed 	<p>Setup + explain: Bryant</p> <p>Run:</p>

Total time: ~9-10 min.