

Animation/Intro Programming

	Month 1	Month 2	Month 3	Month 4	Month 5
Textbook	Learning to Program with Alice 2nd Edition Handouts as Needed	Learning to Program with Alice 2nd Edition Handouts as Needed	Learning to Program with Alice 2nd Edition Handouts as Needed	Learning to Program with Alice 2nd Edition Handouts as Needed	Learning to Program with Alice 2nd Edition Handouts as Needed
Major Skills	Learning the interface open save object placement programming code Posing an object Simple instructions	Prog structures- -doInOrder /doTogether nesting block/instruction walk sequence Camera Placement move/turn/roll	writing if/else code using proximity, size, spatial relation using functions and if/else together relational operators	drawing flowcharts use of print to check on values in virtual world creating random value variables rotating around	construct scenarios using object, and number parameters differences between World and Class methods
Topics	Programming, Objects, 3D models, 6 directions Virtual World, Orientation	Story Telling / Scenarios Use of object properties World Views Inserting music	Conditional Execution Repetition Built-in Functions Expressions Collisions	use of variables texture random number new event	methods parameters
Assessments	Positioning Objects Qz chp1 vocabulary Chp1/Chp 2 exercises Prog Assignments	chp2 vocabulary Chp2exercises Prog Assignments	chp3 vocabulary Chp3 exercises exercises for functions and if/else conditions	random number exercises flowchart exercises	Musical Band Exercise Multiple Object Exercises using parameters
Coached Projects		Alice-Story Telling Proj1		RandomImage/ ScreenSaver proj	Final Alice Project Independent Design
Seminars		Presentation and Critique of Project1		Presentation and critique of RandomImage Proj	Presentation and Critique of Independent Design Project

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Themes

Topics

**Other
Books**

Coached Projects

Seminars