

## APPENDIX – B

### Links to the list of programs used in the manual

	Chapter	Links to the programs
2	Lines and Points	Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/chapter2/dotRow">http://teachersguide.pencilcode.net/edit/chapter2/dotRow</a> <a href="http://teachersguide.pencilcode.net/edit/chapter2/smiley">http://teachersguide.pencilcode.net/edit/chapter2/smiley</a> Lesson Plan III: <a href="http://gym.pencilcode.net/draw/#/draw/first.html">http://gym.pencilcode.net/draw/#/draw/first.html</a> <a href="http://guide.pencilcode.net/edit/explainer/turns">http://guide.pencilcode.net/edit/explainer/turns</a> <a href="http://guide.pencilcode.net/home/explainer/curves">http://guide.pencilcode.net/home/explainer/curves</a> <a href="http://activity.pencilcode.net/home/worksheet/flower.html">http://activity.pencilcode.net/home/worksheet/flower.html</a> Lesson Plan IV: <a href="http://teachersguide.pencilcode.net/edit/chapter2/collage">http://teachersguide.pencilcode.net/edit/chapter2/collage</a>
3	Input/Output	Lesson Plan I: Drag and drop the blocks as shown in the lesson. <a href="http://teachersguide.pencilcode.net/edit/chapter3/questionBot">http://teachersguide.pencilcode.net/edit/chapter3/questionBot</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/Chapter3/Button">http://teachersguide.pencilcode.net/edit/Chapter3/Button</a> <a href="http://teachersguide.pencilcode.net/edit/Chapter3/Keydown">http://teachersguide.pencilcode.net/edit/Chapter3/Keydown</a> <a href="http://teachersguide.pencilcode.net/edit/Chapter3/MouseClick">http://teachersguide.pencilcode.net/edit/Chapter3/MouseClick</a> Lesson Plan III: <a href="http://teachersguide.pencilcode.net/edit/Chapter3/imgBot">http://teachersguide.pencilcode.net/edit/Chapter3/imgBot</a> Lesson Plan IV: <a href="http://teachersguide.pencilcode.net/edit/Chapter3/shapeBot">http://teachersguide.pencilcode.net/edit/Chapter3/shapeBot</a> Additional Ex.: <a href="http://gym.pencilcode.net">http://gym.pencilcode.net</a>
4	Loops	Lesson Plan I & II: <a href="http://guide.pencilcode.net/edit/loops/">http://guide.pencilcode.net/edit/loops/</a> Lesson Plan III: <a href="http://teachersguide.pencilcode.net/edit/chapter4/rainbowCircles">http://teachersguide.pencilcode.net/edit/chapter4/rainbowCircles</a> Lesson Plan IV: <a href="http://teachersguide.pencilcode.net/edit/chapter4/QuestionBot">http://teachersguide.pencilcode.net/edit/chapter4/QuestionBot</a> Lesson Plan V: <a href="http://teachersguide.pencilcode.net/edit/chapter4/interactionWhile">http://teachersguide.pencilcode.net/edit/chapter4/interactionWhile</a> Lesson Plan VI: <a href="http://teachersguide.pencilcode.net/edit/chapter4/forever">http://teachersguide.pencilcode.net/edit/chapter4/forever</a>
5	Functions	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/functions/remotcontrol">http://teachersguide.pencilcode.net/edit/functions/remotcontrol</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/functions/ShapeBot">http://teachersguide.pencilcode.net/edit/functions/ShapeBot</a> Lesson Plan III: <a href="http://teachersguide.pencilcode.net/edit/chapter5/starsInTheSky_I">http://teachersguide.pencilcode.net/edit/chapter5/starsInTheSky_I</a> <a href="http://teachersguide.pencilcode.net/edit/Chapter5/StarsInTheSkyII">http://teachersguide.pencilcode.net/edit/Chapter5/StarsInTheSkyII</a> <a href="http://teachersguide.pencilcode.net/edit/Chapter5/StarsInTheSkyIII">http://teachersguide.pencilcode.net/edit/Chapter5/StarsInTheSkyIII</a> Lesson Plan IV: <a href="http://teachersguide.pencilcode.net/edit/chapter5/starsInTheSky_I">http://teachersguide.pencilcode.net/edit/chapter5/starsInTheSky_I</a> <a href="http://teachersguide.pencilcode.net/edit/functions/moon">http://teachersguide.pencilcode.net/edit/functions/moon</a>
6	Selection Statements	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/chapter6/WakeUp">http://teachersguide.pencilcode.net/edit/chapter6/WakeUp</a> <a href="http://teachersguide.pencilcode.net/edit/chapter6/pattern">http://teachersguide.pencilcode.net/edit/chapter6/pattern</a> <a href="http://teachersguide.pencilcode.net/edit/chapter6/DiceRoll">http://teachersguide.pencilcode.net/edit/chapter6/DiceRoll</a> Lesson Plan II:

	Chapter	Links to the programs
		<a href="http://teachersguide.pencilcode.net/edit/chapter6/questionbot">http://teachersguide.pencilcode.net/edit/chapter6/questionbot</a> Lesson Plan III: <a href="http://teachersguide.pencilcode.net/edit/chapter6/genieComplete">http://teachersguide.pencilcode.net/edit/chapter6/genieComplete</a> Lesson Plan IV: <a href="http://teachersguide.pencilcode.net/edit/chapter6/hiLo">http://teachersguide.pencilcode.net/edit/chapter6/hiLo</a> Lesson Plan V: <a href="http://activity.pencilcode.net/home/worksheet/race.html">http://activity.pencilcode.net/home/worksheet/race.html</a>
7	Learning a Second Language: JavaScript	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/chapter7/spiral">http://teachersguide.pencilcode.net/edit/chapter7/spiral</a> <a href="http://teachersguide.pencilcode.net/edit/chapter7/RandomSpirals">http://teachersguide.pencilcode.net/edit/chapter7/RandomSpirals</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/chapter7/brokenScene">http://teachersguide.pencilcode.net/edit/chapter7/brokenScene</a>
8	Introducing Lists and One-Dimensional Arrays	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/chapter4/rainbowCircles">http://teachersguide.pencilcode.net/edit/chapter4/rainbowCircles</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/chapter7/dotOfArrays">http://teachersguide.pencilcode.net/edit/chapter7/dotOfArrays</a> Lesson Plan III: <a href="http://teachersguide.pencilcode.net/edit/chapter8/push_pop">http://teachersguide.pencilcode.net/edit/chapter8/push_pop</a> Lesson Plan IV: <a href="http://teachersguide.pencilcode.net/edit/chapter8/bar">http://teachersguide.pencilcode.net/edit/chapter8/bar</a> Lesson Plan V: <a href="http://teachersguide.pencilcode.net/edit/chapter8/pie">http://teachersguide.pencilcode.net/edit/chapter8/pie</a> Lesson Plan VI: <a href="http://teachersguide.pencilcode.net/edit/chapter8/searchtxt">http://teachersguide.pencilcode.net/edit/chapter8/searchtxt</a>
9	Nested Loops	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/2DArray/box">http://teachersguide.pencilcode.net/edit/2DArray/box</a> <a href="http://teachersguide.pencilcode.net/edit/chapter9/nest">http://teachersguide.pencilcode.net/edit/chapter9/nest</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/chapter9/colorfulMatrix">http://teachersguide.pencilcode.net/edit/chapter9/colorfulMatrix</a> <a href="http://teachersguide.pencilcode.net/edit/chapter9/triangle">http://teachersguide.pencilcode.net/edit/chapter9/triangle</a> <a href="http://teachersguide.pencilcode.net/edit/chapter9/XMasTree">http://teachersguide.pencilcode.net/edit/chapter9/XMasTree</a>
10	Recursion	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/chapter10/recursiveSquares">http://teachersguide.pencilcode.net/edit/chapter10/recursiveSquares</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/chapter10/spiral">http://teachersguide.pencilcode.net/edit/chapter10/spiral</a>
11	Building a Website: Using HTML, CSS in the Pencil Code Environment	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/chapter11/FirstPageArtGallery">http://teachersguide.pencilcode.net/edit/chapter11/FirstPageArtGallery</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/chapter11/OnePage">http://teachersguide.pencilcode.net/edit/chapter11/OnePage</a> Lesson Plan III: <a href="http://teachersguide.pencilcode.net/edit/chapter11/FirstPageArtGalleryDesigns">http://teachersguide.pencilcode.net/edit/chapter11/FirstPageArtGalleryDesigns</a> Lesson Plan IV: <a href="http://teachersguide.pencilcode.net/edit/chapter11/slideshow">http://teachersguide.pencilcode.net/edit/chapter11/slideshow</a>
12	Traversing Data Using JQuery	Lesson Plan I: <a href="http://teachersguide.pencilcode.net/edit/chapter12/timer">http://teachersguide.pencilcode.net/edit/chapter12/timer</a> Lesson Plan II: <a href="http://teachersguide.pencilcode.net/edit/chapter12/magicTree">http://teachersguide.pencilcode.net/edit/chapter12/magicTree</a>

