**Using Sphero to Teach Programming Fundamentals   
Coding Guide**

A screenshot of a program

Description automatically generatedSquare Code

1



1

Sphero Path

This will cause the Sphero to wait for 3 seconds before performing the next part of the code. Always add this after each line of code to make the movement consistent

This section of the code will make the Sphero go forward for 5 seconds

A screenshot of a program

Description automatically generated

Sphero Path

1

2

2

1

This section of the code will make the Sphero go left for 5 seconds

A screenshot of a computer program

Description automatically generated

Sphero Path

3

2

1

3

2

1

This section of the code will make the Sphero go backwards for 5 seconds

A screenshot of a video game

Description automatically generated

3

2

4

1

4

Sphero Path

1

2

3

This section of the code will make the Sphero go right for 5 seconds

A screenshot of a program

Description automatically generatedFigure 8 Code

1

This section of the code will make the Sphero go forward for 5 seconds

This will cause the Sphero to wait for 3 seconds before performing the next part of the code. Always add this after each line of code to make the movement consistent

Sphero Path



1

A screenshot of a program

Description automatically generated

2

1

This section of the code will make the Sphero go left for 5 seconds



2

Sphero Path

1

A screenshot of a computer program

Description automatically generated

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3

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This section of the code will make the Sphero go forward for 5 seconds



3

1

Sphero Path

2

A screenshot of a computer

Description automatically generated

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1

This section of the code will make the Sphero go right for 5 seconds



4

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Sphero Path

1

A screenshot of a video game

Description automatically generated

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This section of the code will make the Sphero go backwards for 5 seconds



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3

Sphero Path

1

A screenshot of a game

Description automatically generated

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6

This section of the code will make the Sphero go left for 5 seconds

1

Sphero Path

3

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4



6

2

A screenshot of a computer screen

Description automatically generated

7

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This section of the code will make the Sphero go backwards for 5 seconds

Sphero Path

2

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6



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A screenshot of a video game

Description automatically generated

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Sphero Path

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7

This section of the code will make the Sphero go backwards for 5 seconds