

Scratch Curriculum

(For Ages 5 To 10+)

Level - 0



Sessions: 1 - 48

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Sessions: 49 - 96

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Sessions: 97 - 144

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Sessions: 144 - 192

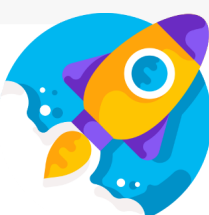
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Become A
Scratch Jr Star

Foundations In
Block Based Coding

The Path To Mastery



48 sessions



Scratch Jr Star

96 sessions



Scratch Star

144 sessions



Scratch Superstar

192 sessions



Scratch Master

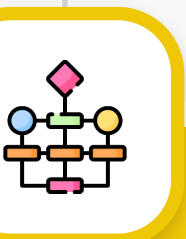
Build Foundations In Block Based Programming
While Creating Stories And Animations



Introduction of
Block-based
Programming

Session 1-8

- Introduction to Sprites



Introduction to
Basics of
Scratch Jr

Session 9-15

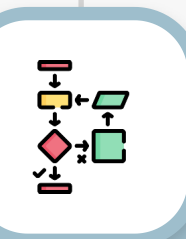
- Sequencing algorithm
- Repeating algorithm
- Triggering algorithm



Introduction to
Speed Block
Say Block

Session 16-21

- Speed block
- Say block
- Changing backgrounds



Introduction to
Advance Say
Block

Session 22-29

- Loops & Iterations
- Broadcasting messages



Interactive
Game Design

Session 30-48

- Interaction logic
- Game design
- Broadcasting

What Will My Child Create?

10

Basic Animations

+

10

Stories

+

5

Basic Games

Examples



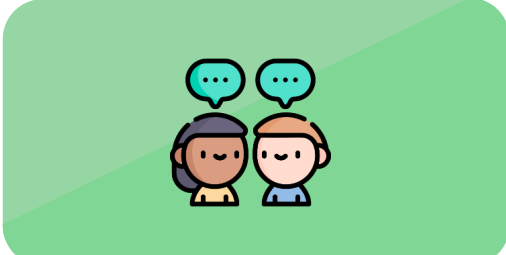
Dance Party



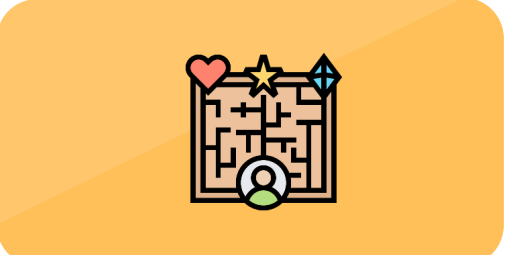
Flappy Bird



Racing Game

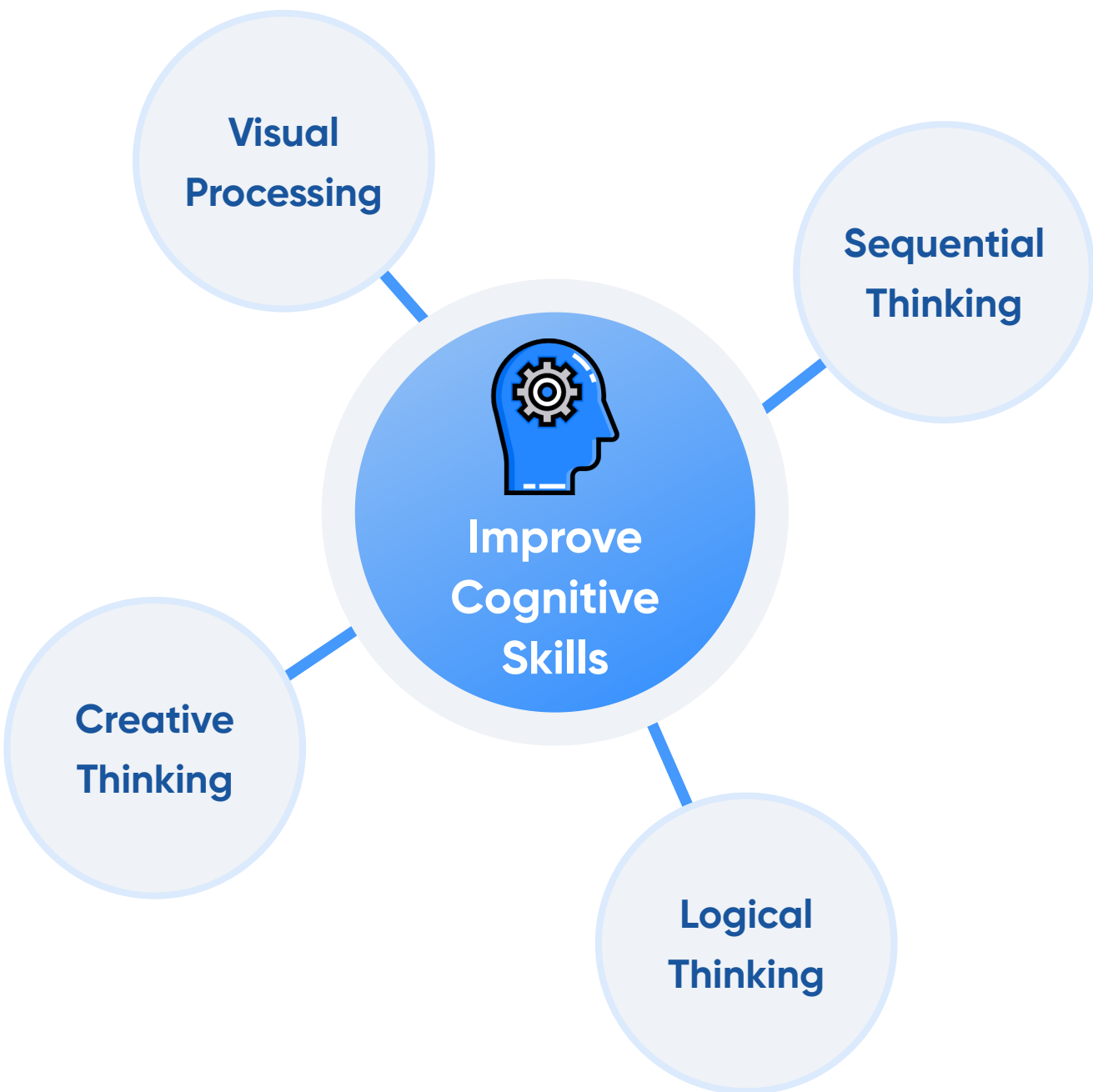
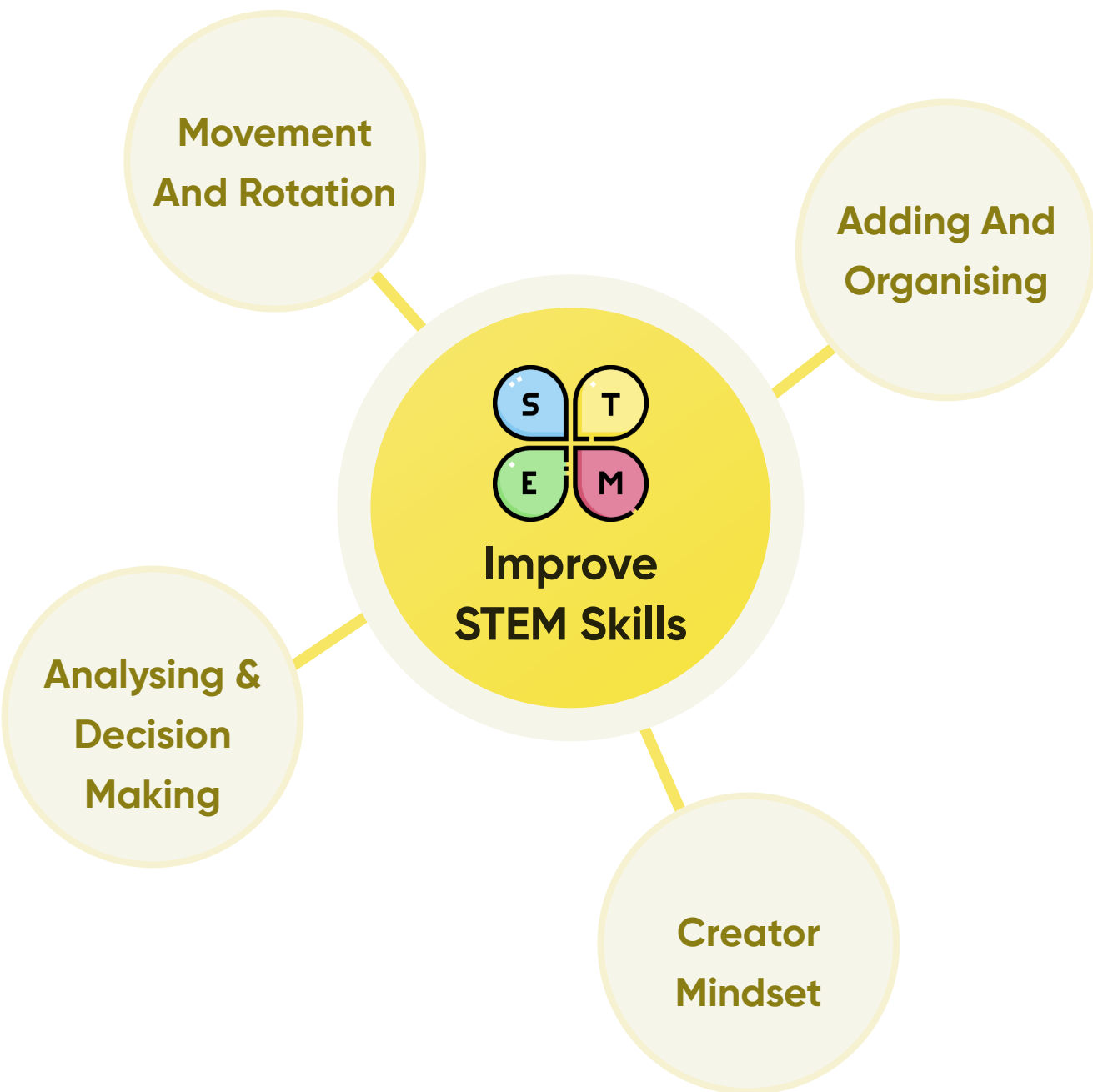


Talking Friends



Maze Game

Improve STEM & Cognitive Skills Via Coding!



Scratch Curriculum

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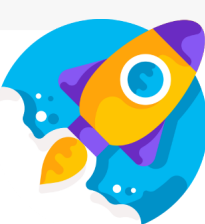
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Become A
Scratch Star

Learn Basics Of
Block Based Coding

The Path To Mastery



48 sessions



Scratch Jr Star



96 sessions



Scratch Star



144 sessions



Scratch Superstar



192 sessions



Scratch Master



Learn Coding In Fun Manner
While Building Animations & Games



Fundamentals of
Block-based
Programming

Session 49-64

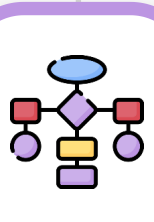
- Fundamentals of programming
- Sequential programming
- Interactive animation



Logic
Fundamentals

Session 65-74

- Parallelism
- Cloning
- Event driven programming



Control Flow

Session 75-82

- Loops
- Iterations
- Conditional programming



Interactive
Game Design

Session 83-96

- Interaction logic
- Local variable
- Game design

What Will My Child Create?

10

Interactive Animations

+

3

STEM Projects

+

10

Interactive Games

Examples



Pong Game



Clicker Game

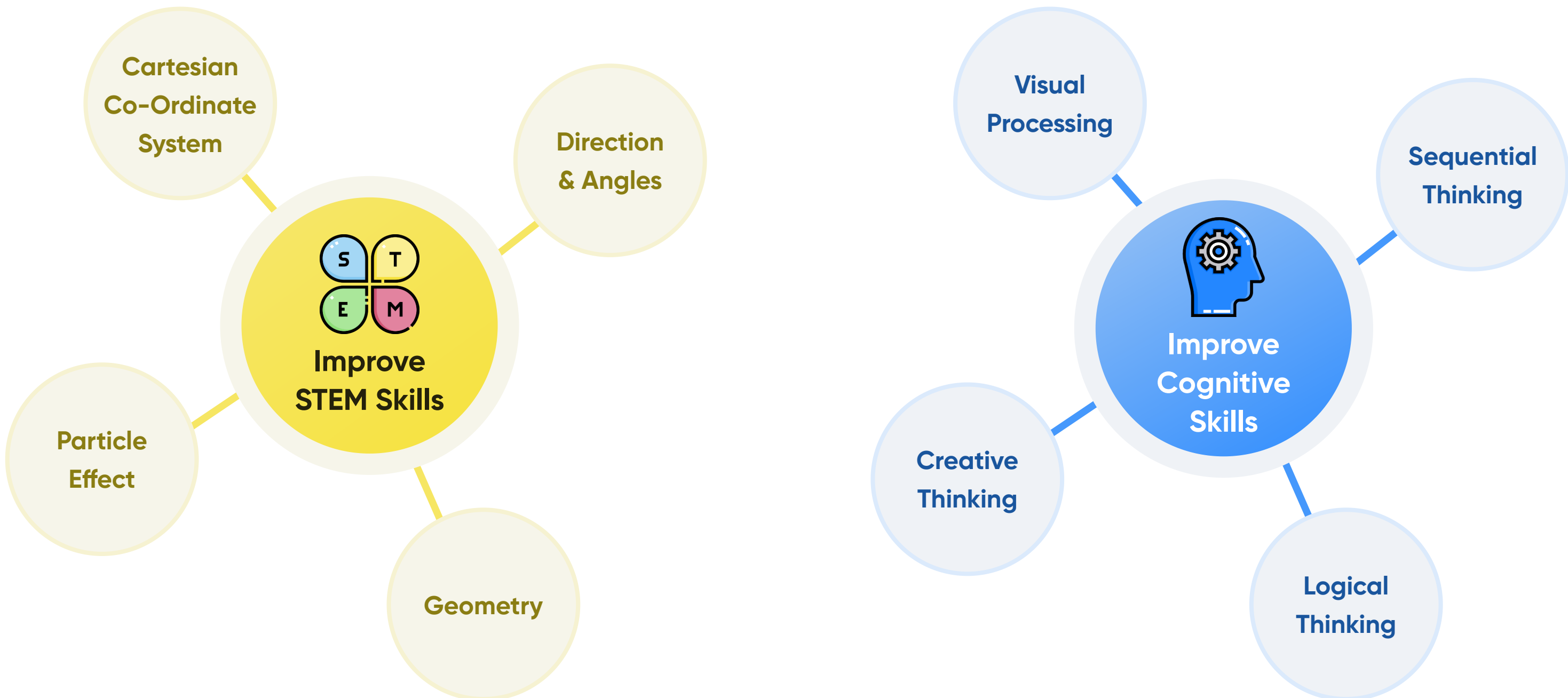


Shooter Game



Arcade Game

Improve STEM & Cognitive Skills Via Coding!



Scratch Curriculum

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Sessions: 144 – 192

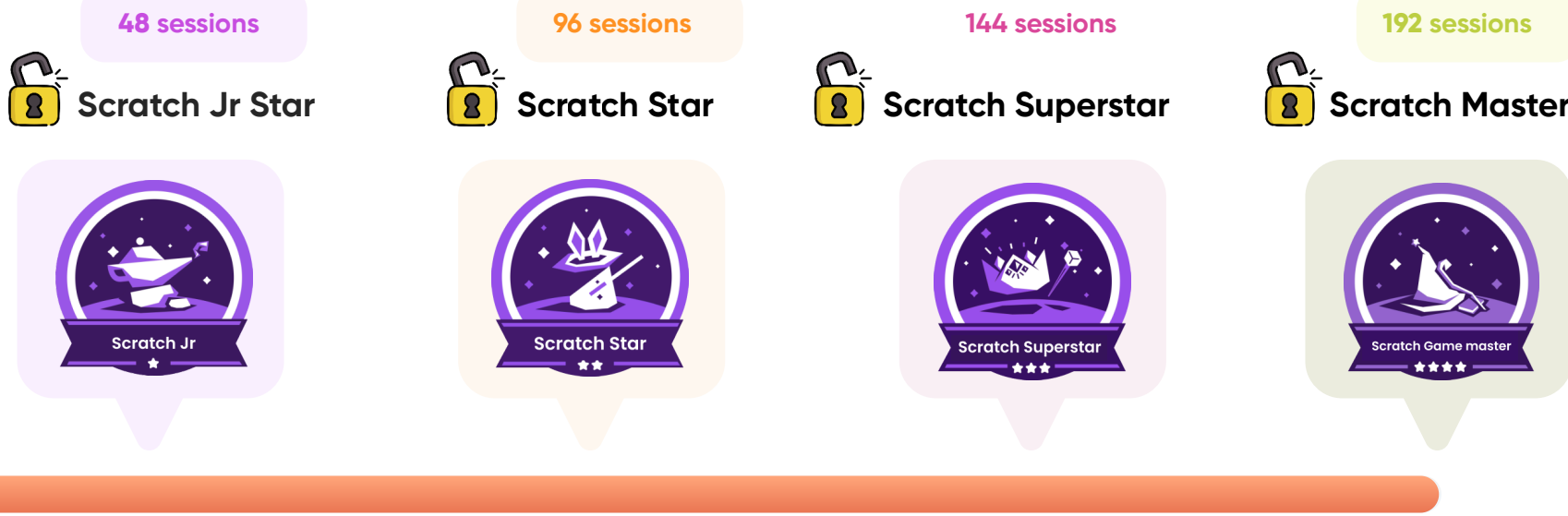
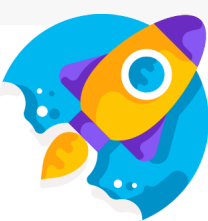
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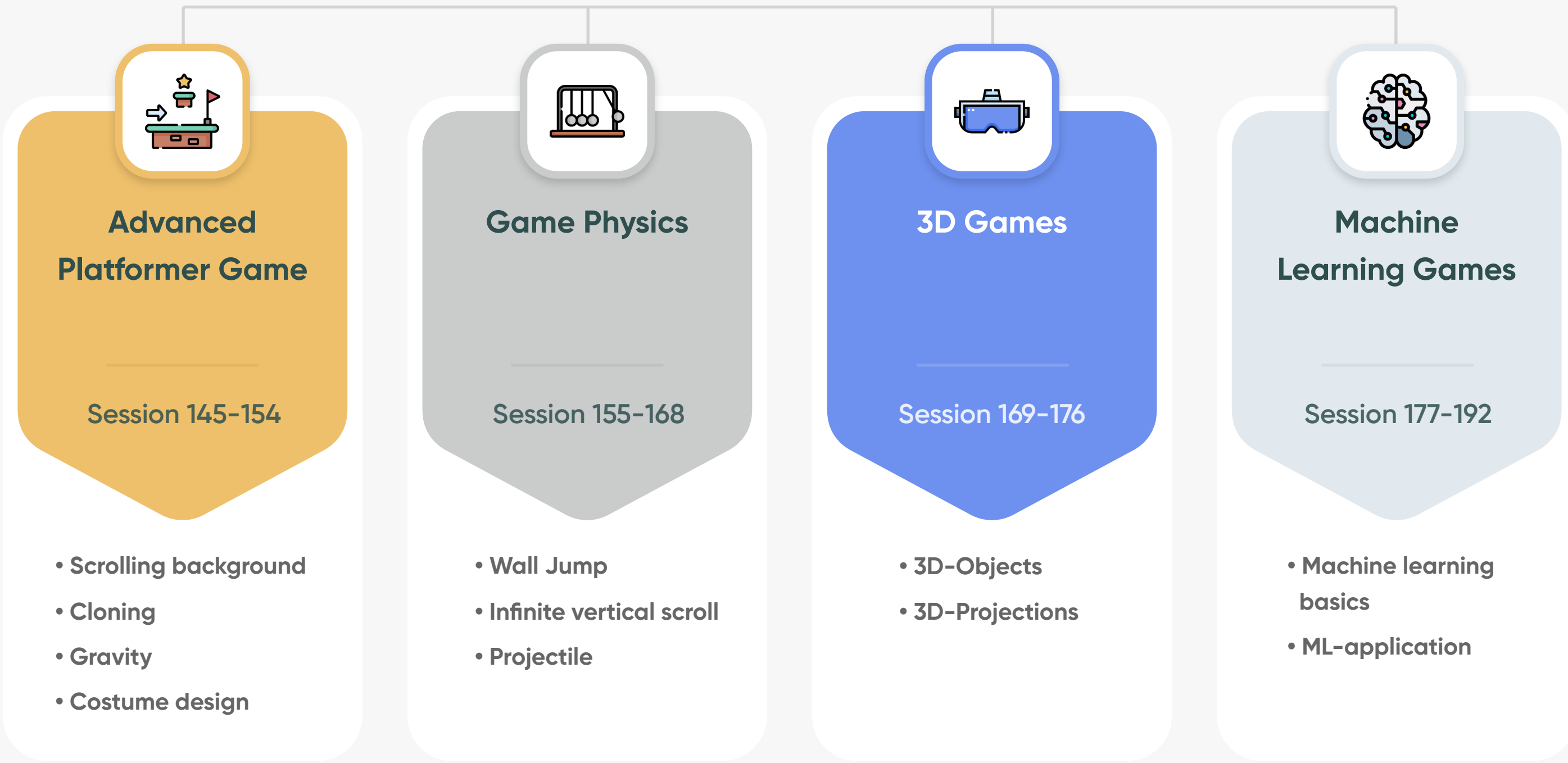
Become A
Scratch Master

Learn Expert-Level
& ML Games

The Path To Mastery



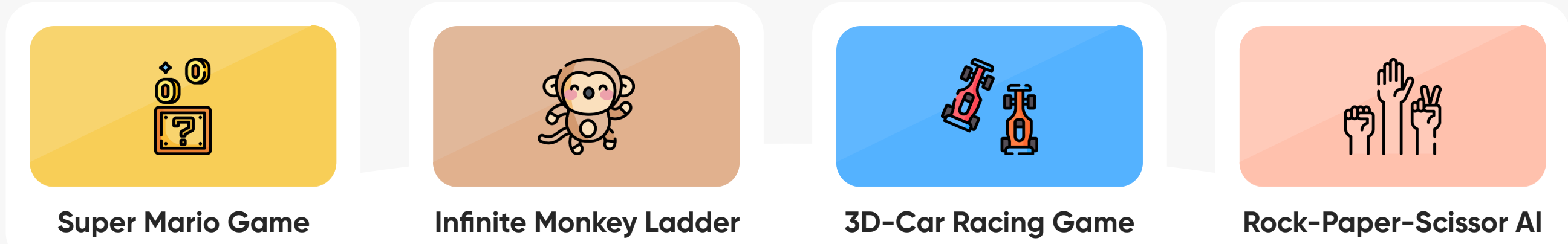
Learn To Apply Your Coding Skills To Make
Expert-Level Games And Machine Learning Games



What Will My Child Create?



Examples



Improve STEM & Cognitive Skills Via Coding!

