

# Scratch Curriculum

(For Ages 5 To 10+)

Level - 0

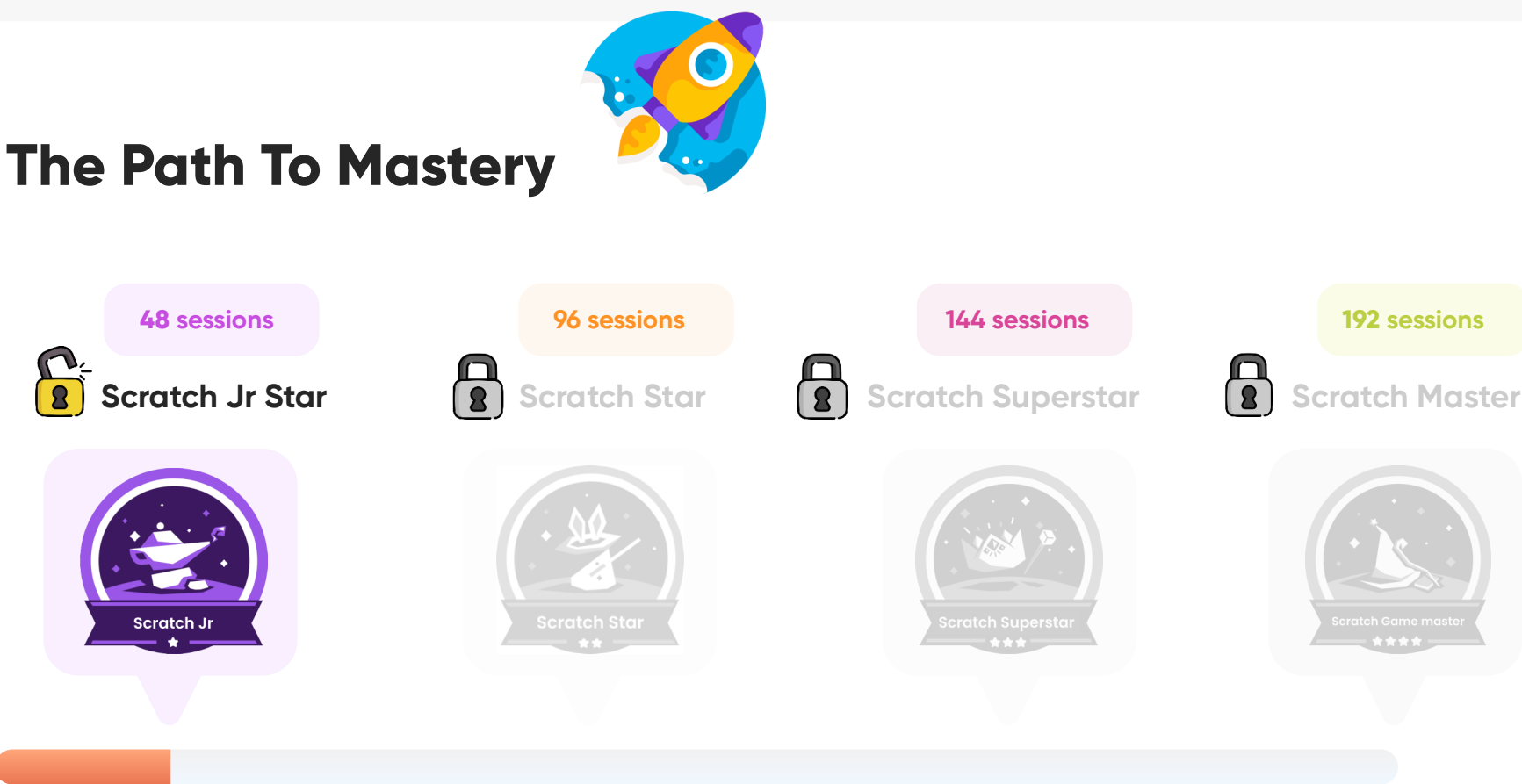
<div>✓</div> <div>Sessions: 1 – 48</div> <div>(Page 1)</div>	<div>Sessions: 49 – 96</div> <div>(Page 2)</div>	<div>Sessions: 97 – 144</div> <div>(Page 3)</div>	<div>Sessions: 144 – 192</div> <div>(Page 4)</div>
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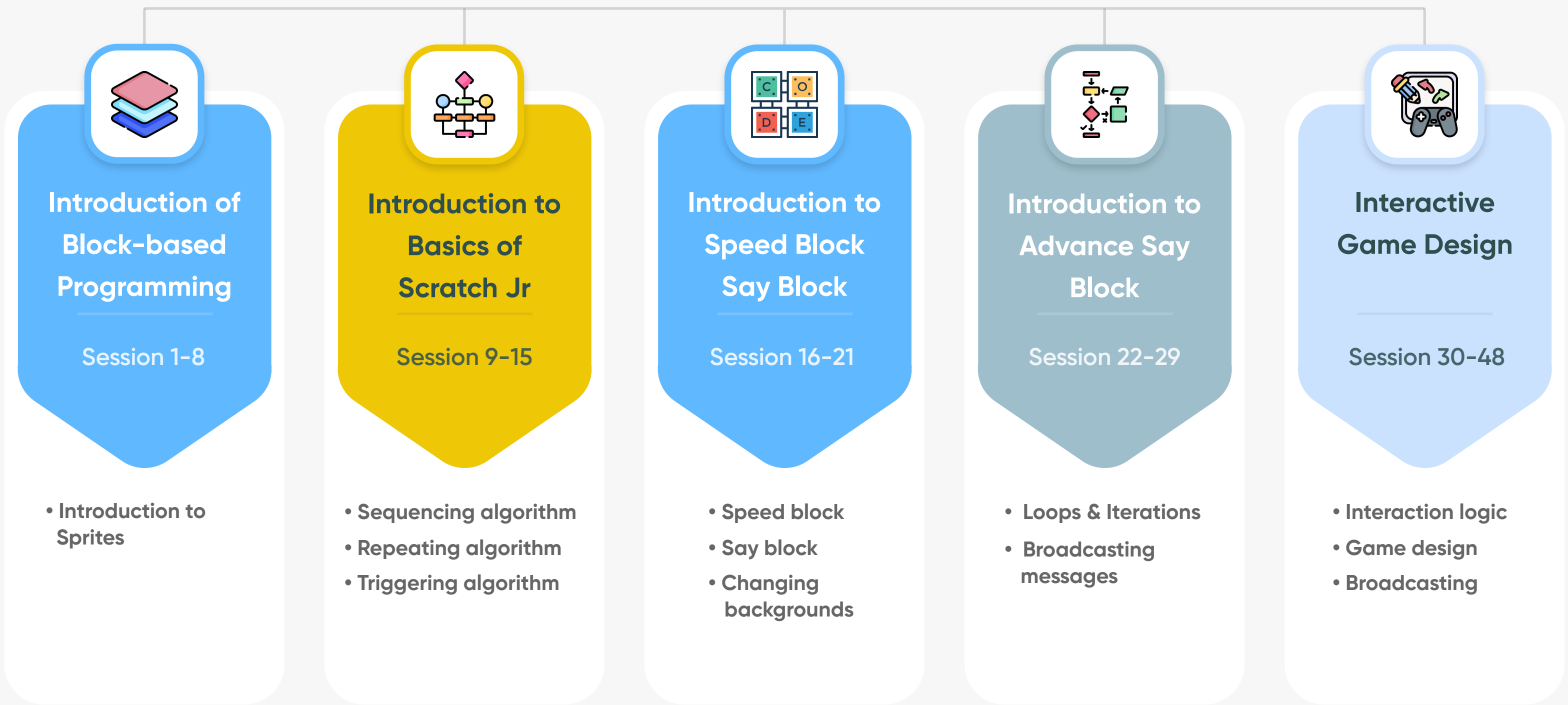
Codeyoung's Coding Program Is Internationally Certified By STEM.ORG

Program curriculum & structure at par with US schools standard. Verify accreditation - <https://bit.ly/3ijbY7E>

  
**Become A  
Scratch Jr Star**  
Foundations In  
Block Based Coding



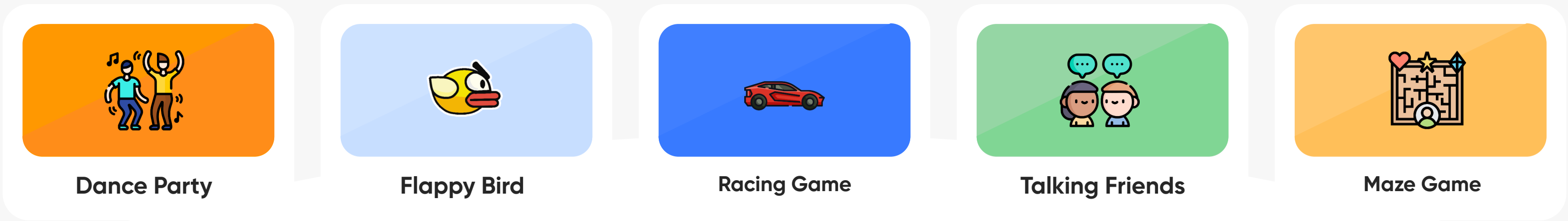
## Build Foundations In Block Based Programming While Creating Stories And Animations



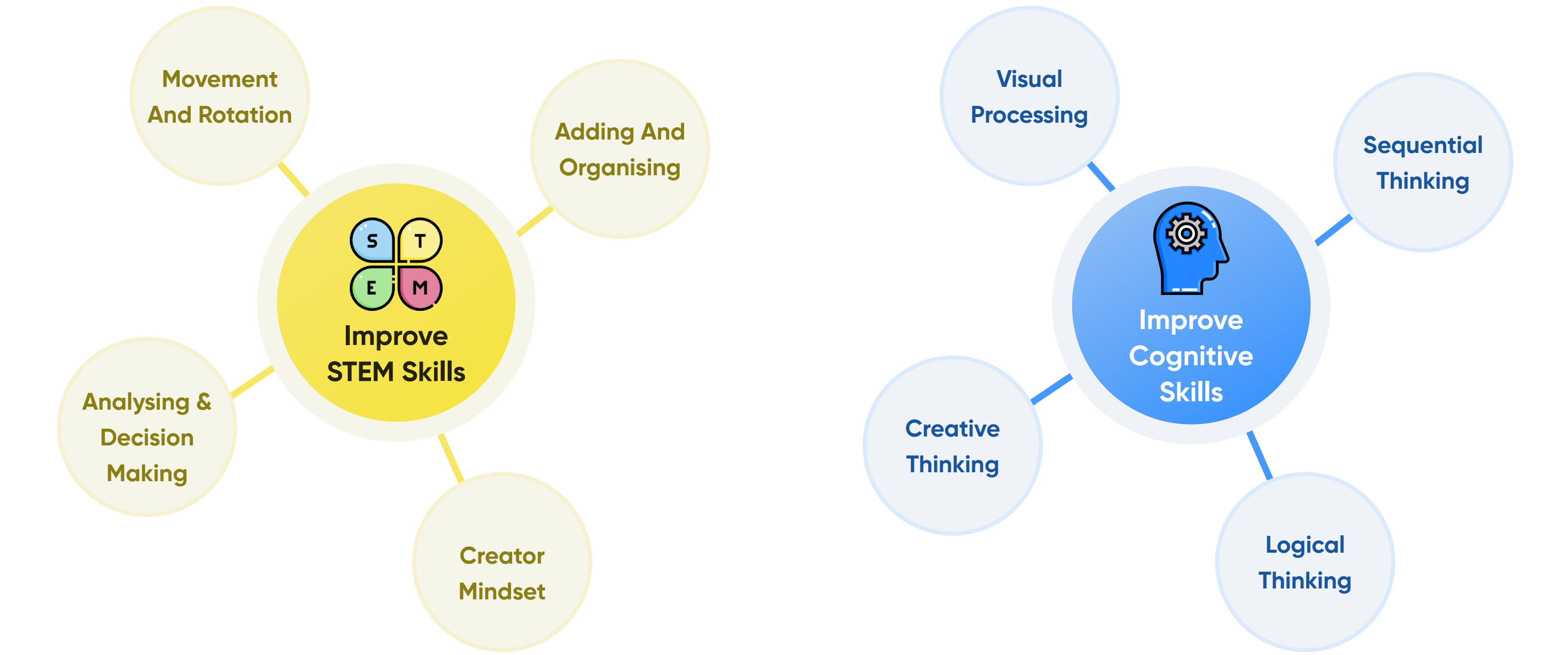
## What Will My Child Create?



Examples



## Improve STEM & Cognitive Skills Via Coding!



# Scratch Curriculum

(For Ages 5 To 10+)

Level - 1

Sessions: 1 – 48

(Page 1)



Sessions: 49 – 96

(Page 2)

Sessions: 97 – 144

(Page 3)

Sessions: 144 – 192

(Page 4)



## 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

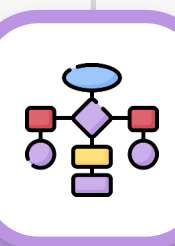
- Fundamentals of programming
- Sequential programming
- Interactive animation



#### 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

+

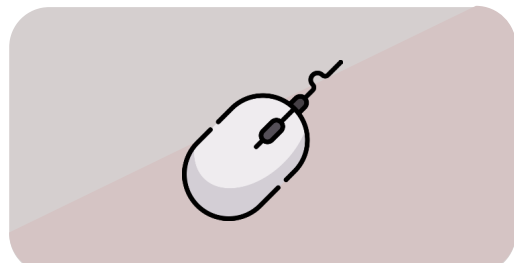
10

Interactive Games

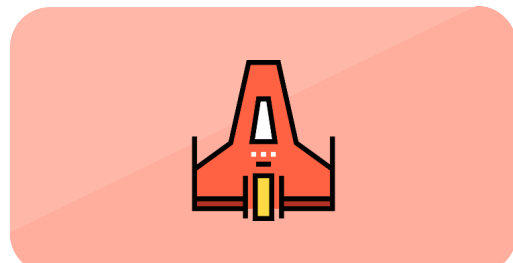
### Examples



Pong Game



Clicker Game

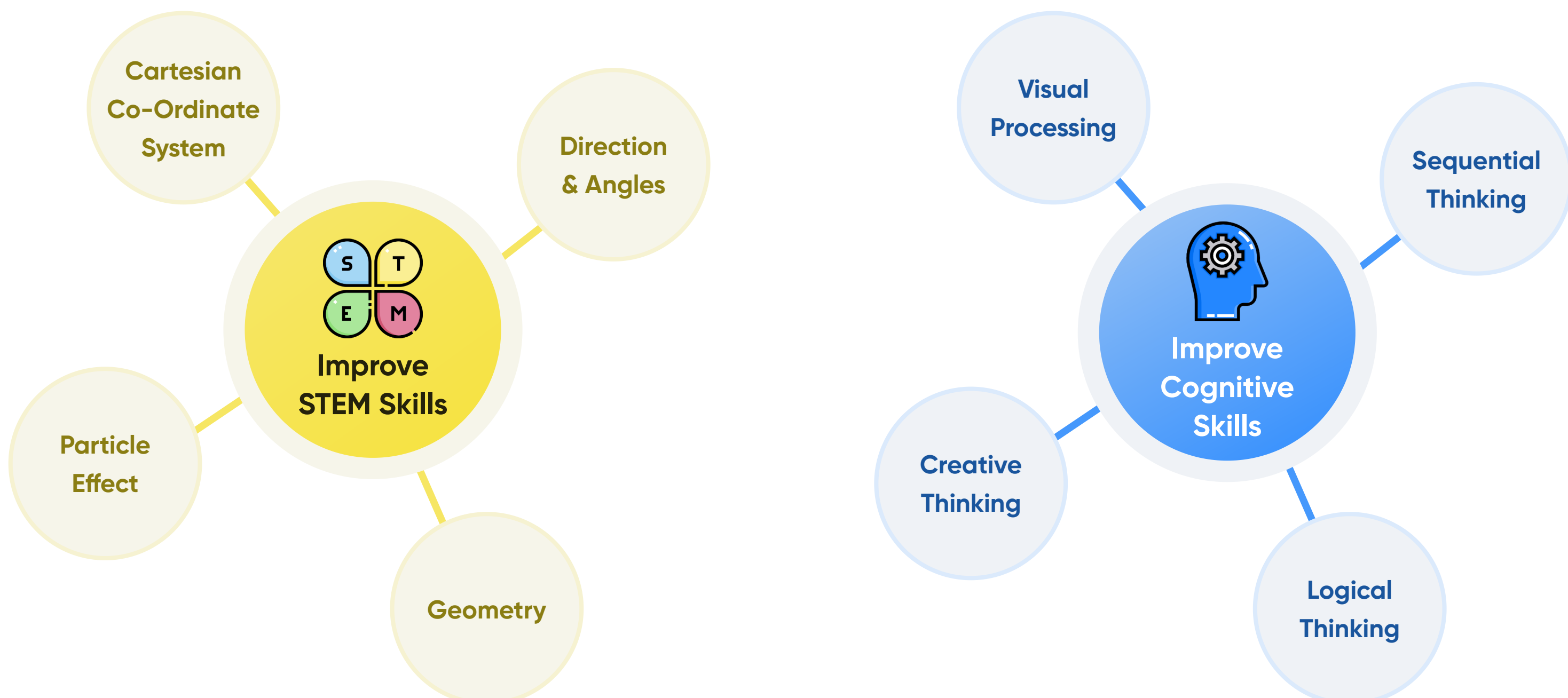


Shooter Game



Arcade Game

### Improve STEM & Cognitive Skills Via Coding!





# Scratch Curriculum

(For Ages 5 To 10+)

Level - 3

Sessions: 1 – 48

(Page 1)

Sessions: 49 – 96

(Page 2)

Sessions: 97 – 144

(Page 3)

Sessions: 144 – 192

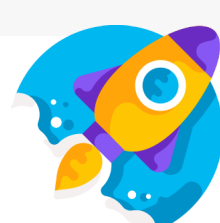
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## Become A Scratch Master

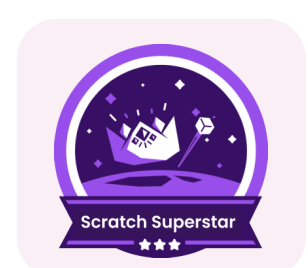
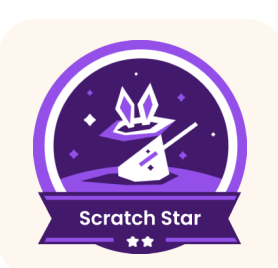
Learn Expert-Level  
& ML Games

### The Path To Mastery


48 sessions  
Scratch Jr Star

96 sessions  
Scratch Star

144 sessions  
Scratch Superstar

192 sessions  
Scratch Master


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



### Advanced Platformer Game

Session 145-154

- Scrolling background
- Cloning
- Gravity
- Costume design



### Game Physics

Session 155-168

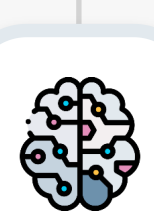
- Wall Jump
- Infinite vertical scroll
- Projectile



### 3D Games

Session 169-176

- 3D-Objects
- 3D-Projections



### Machine Learning Games

Session 177-192

- Machine learning basics
- ML-application

## What Will My Child Create?

10

Advanced Platformer  
Games

+

3

3D Games

+

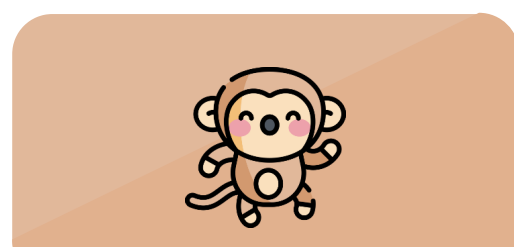
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ML Based Games

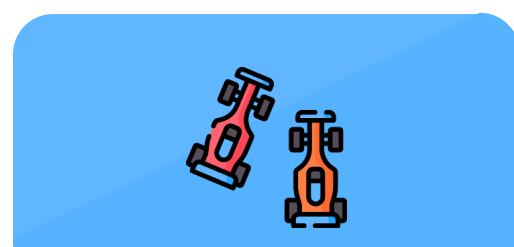
### Examples



Super Mario Game



Infinite Monkey Ladder

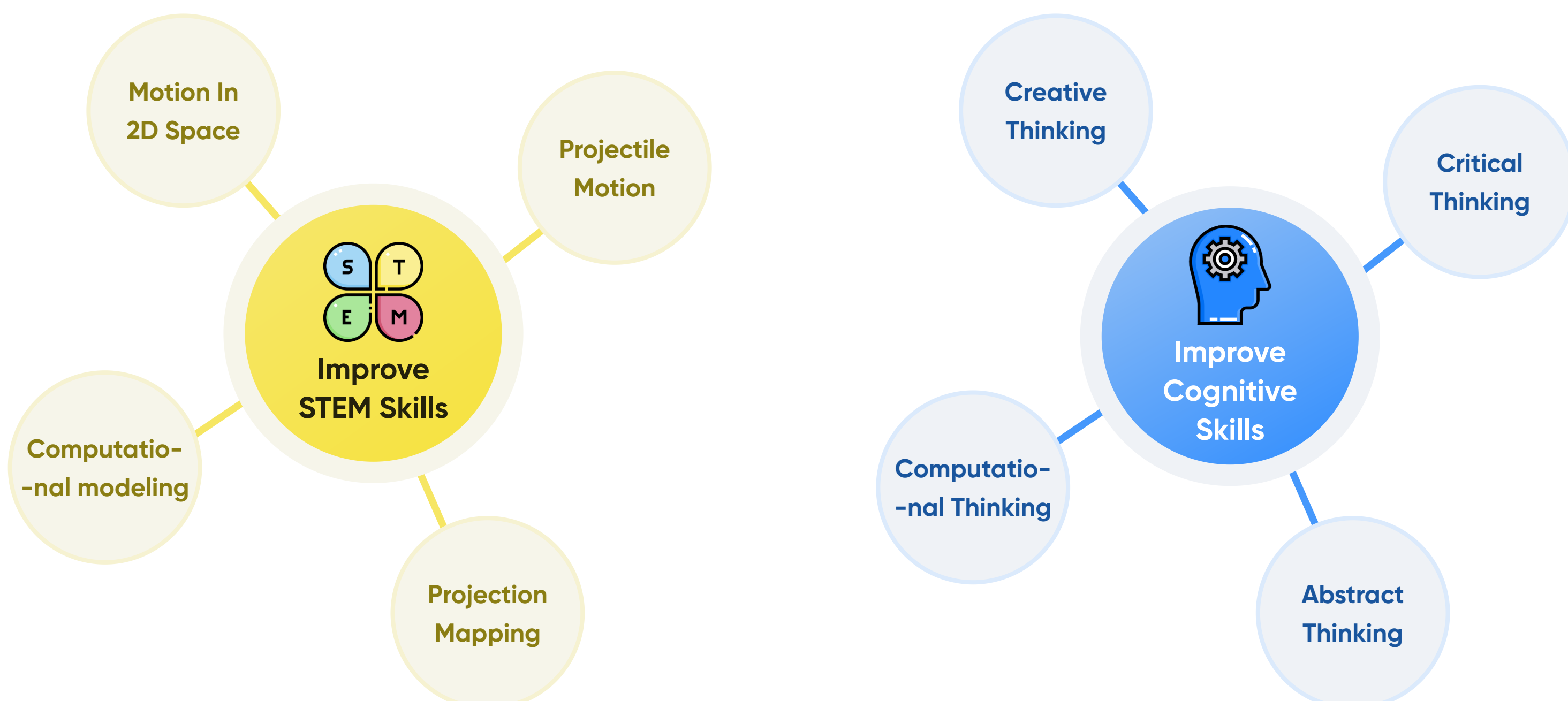


3D-Car Racing Game



Rock-Paper-Scissor AI

## Improve STEM & Cognitive Skills Via Coding!



15-days no questions refund policy



Lifetime access to CY learning content

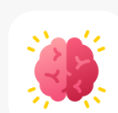


Easy Monthly-EMI options



### The Codeyoung Promise

Kids who do well in coding, do much better at school!



Enhanced Creativity



Better at Math



Improved Logic


Confidence in  
Communication