

# Web & App Development

## Web Development - 1

(For Ages 11 &amp; Above)


**Sessions: 1 – 48**

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**Sessions: 49 – 96**

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**Sessions: 97 – 144**

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**Sessions: 145 – 192**

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### Codeyoung's Coding Program Is Internationally Certified By STEM.ORG

Program curriculum &amp; structure at par with US schools standard.

Verify accreditation - <https://bit.ly/3ijbY7E>

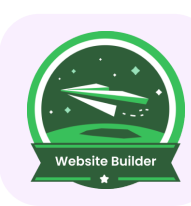

## Become A Website Builder

Learn Front-End Development Of Websites

### The Path To Mastery



48 sessions


**Website Builder**


96 sessions


**Website Superstar**


144 sessions


**App Builder**


196 sessions


**App Superstar**


## Learn Front-End Development In Fun Manner While Building Dynamic Websites



### Basics of HTML

Session 1-8

- Structure of Website
- HTML Formatting
- Images & Tables



### Basics of CSS

Session 9-11

- Styling of Website
- Graphical Effects & Alignment



### Advance HTML

Session 12-28

- HTML forms
- HTML Graphics & Maps



### Basics of JavaScript

Session 29-44

- Introduction to JavaScript
- JavaScript Objects
- Exception Handling



### Launching A Website

Session 45-48

- Introduction to GitHub
- Web Hosting

## What Will My Child Create?

**5**

Static Webpages

+

**5**

Dynamic Webpages

### Examples



Tribute Page



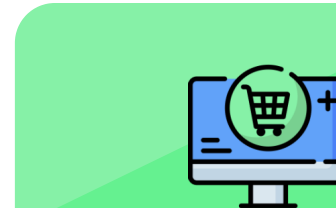
Portfolio Website



Multimedia Website

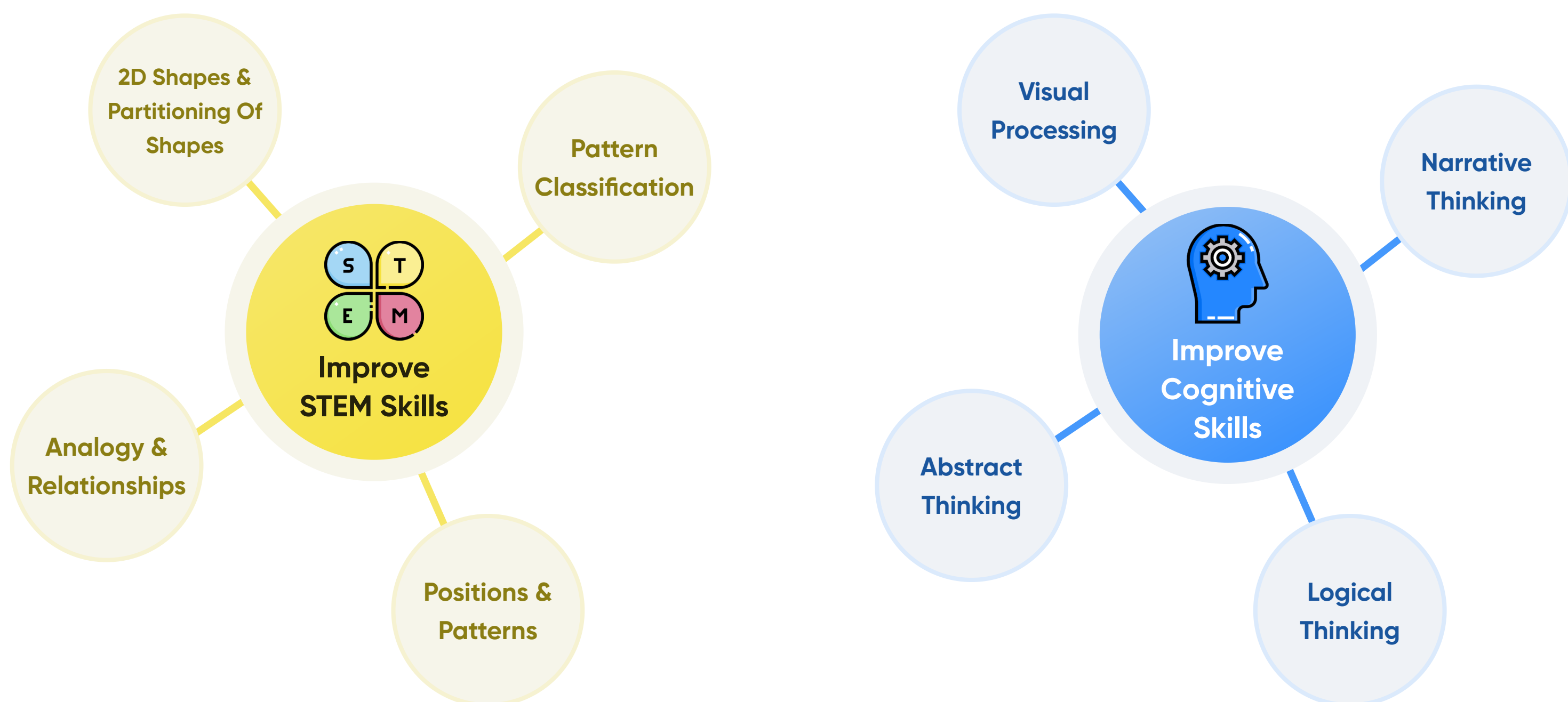


Store Website



E-Commerce Website

## Improve STEM & Cognitive Skills Via Coding!



# Web & App Development

## Web Development - 2 (For Ages 11 & Above)

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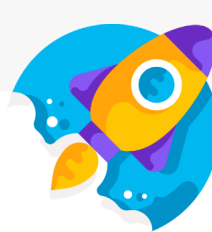
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### Become A Website Superstar

Learn To Build Interactive Websites

#### The Path To Mastery



48 sessions



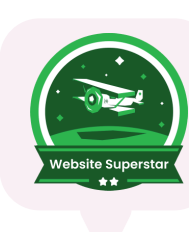
Website Builder



96 sessions



Website Superstar



144 sessions



App Builder



196 sessions



App Superstar



### Learn Advanced JavaScript Concepts While Building Responsive And Interactive Websites Using React And Bootstrap



Bootstrap

Session 49-56

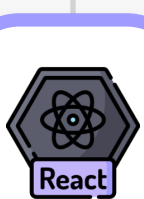
- Bootstrap
- Images & Cards
- Forms & Buttons



Advanced JS &amp; React

Session 57-72

- Loops & Arrays
- OOPs in JS
- Asynchronous JS



ReactJS Components

Session 73-80

- ReactJS
- Rendering & Binding
- Component Creation



State, Props &amp; Routing

Session 81-88

- Managing State
- Using Props
- React Routing



Hosting The React App

Session 89-96

- Axios
- Error-handling
- Hosting Webapp

### What Will My Child Create?

5

Responsive Websites

+

2

Interactive Web-Apps

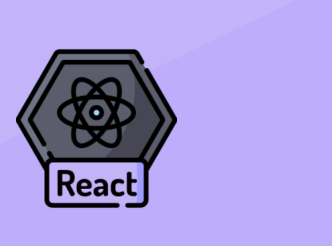
#### Examples



Responsive Website



JavaScript Project

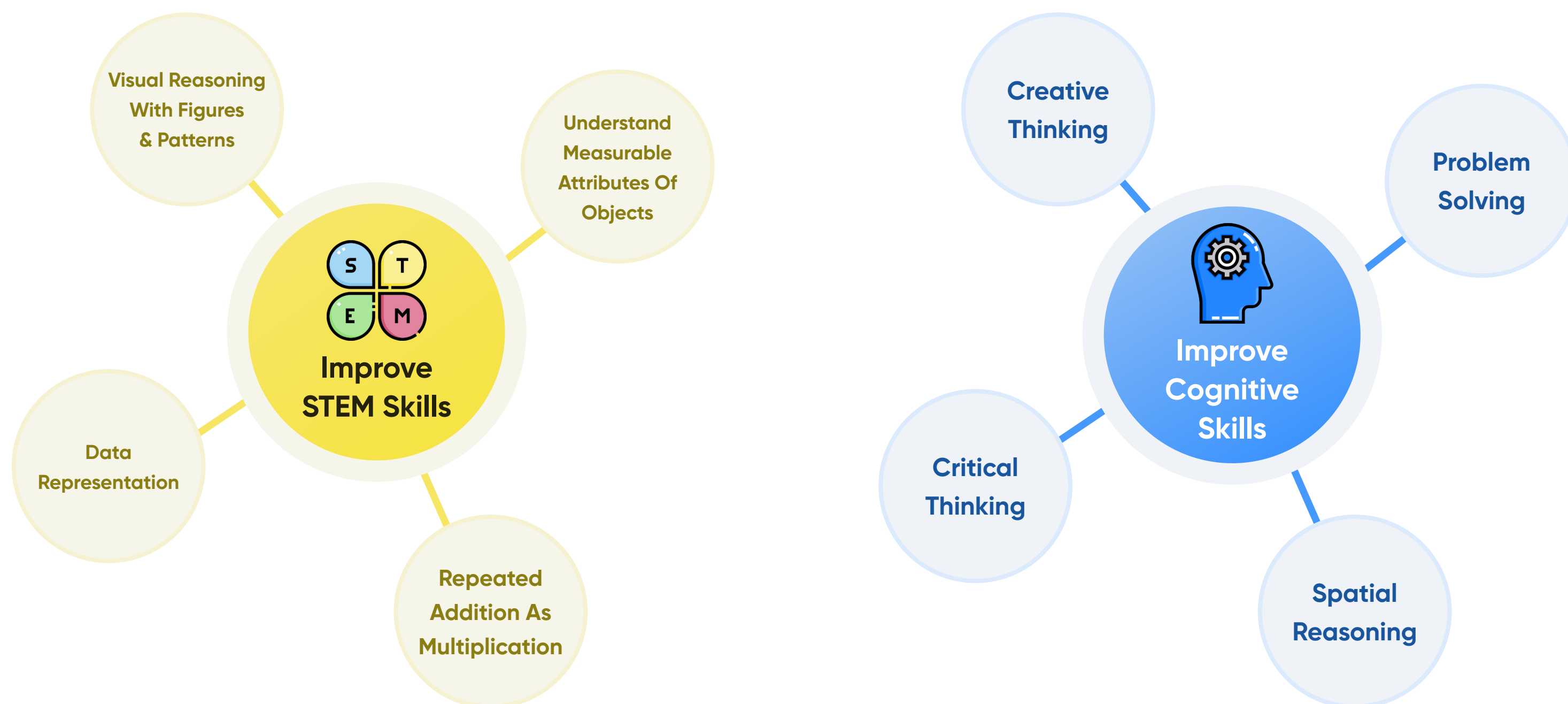


ReactJS website



Frontend React App

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### Become An App Builder

Learn To Create Cool Mobile Apps

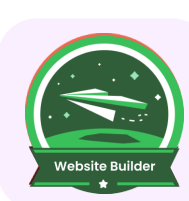
#### The Path To Mastery



48 sessions



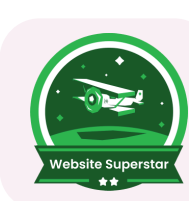
Website Builder



96 sessions



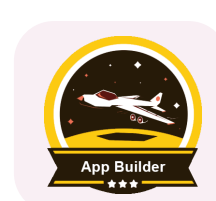
Website Superstar



144 sessions



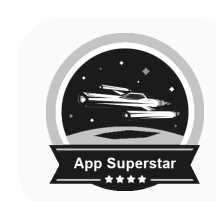
App Builder



196 sessions



App Superstar



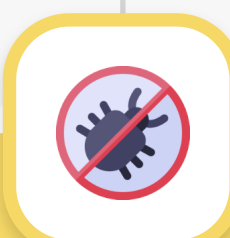
## Learn To Build Responsive And Interactive IOS And Android Apps Using React Native



### Layouts and Core Components

Session 97-107

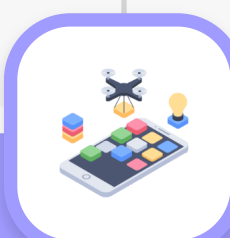
- Flexbox & Stylesheets
- Models
- Touchable Flatlists



### Debugging Apps

Session 108-113

- Debugging your App
- Console & Devtools
- Remote Debugger & UI Debugging



### Advanced App Components

Session 114-129

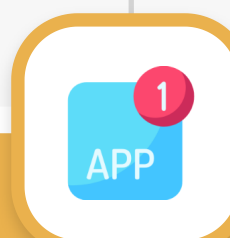
- Custom Headers, Card, Theming
- Text Inputs, Alerts, App Loading, Custom Fonts



### Responsive Design

Session 130-139

- Dimensions API, Device Orientations, Dynamic Codes
- Screen Orientation API, Platform API, Safeareas



### App Deployment

Session 140-144

- OTA Updates
- App Deployment
- Publishing Apps

## What Will My Child Create?

1

Basic React native

+

4

Standard Applications

### Examples



Single View Application



Multi-View Application

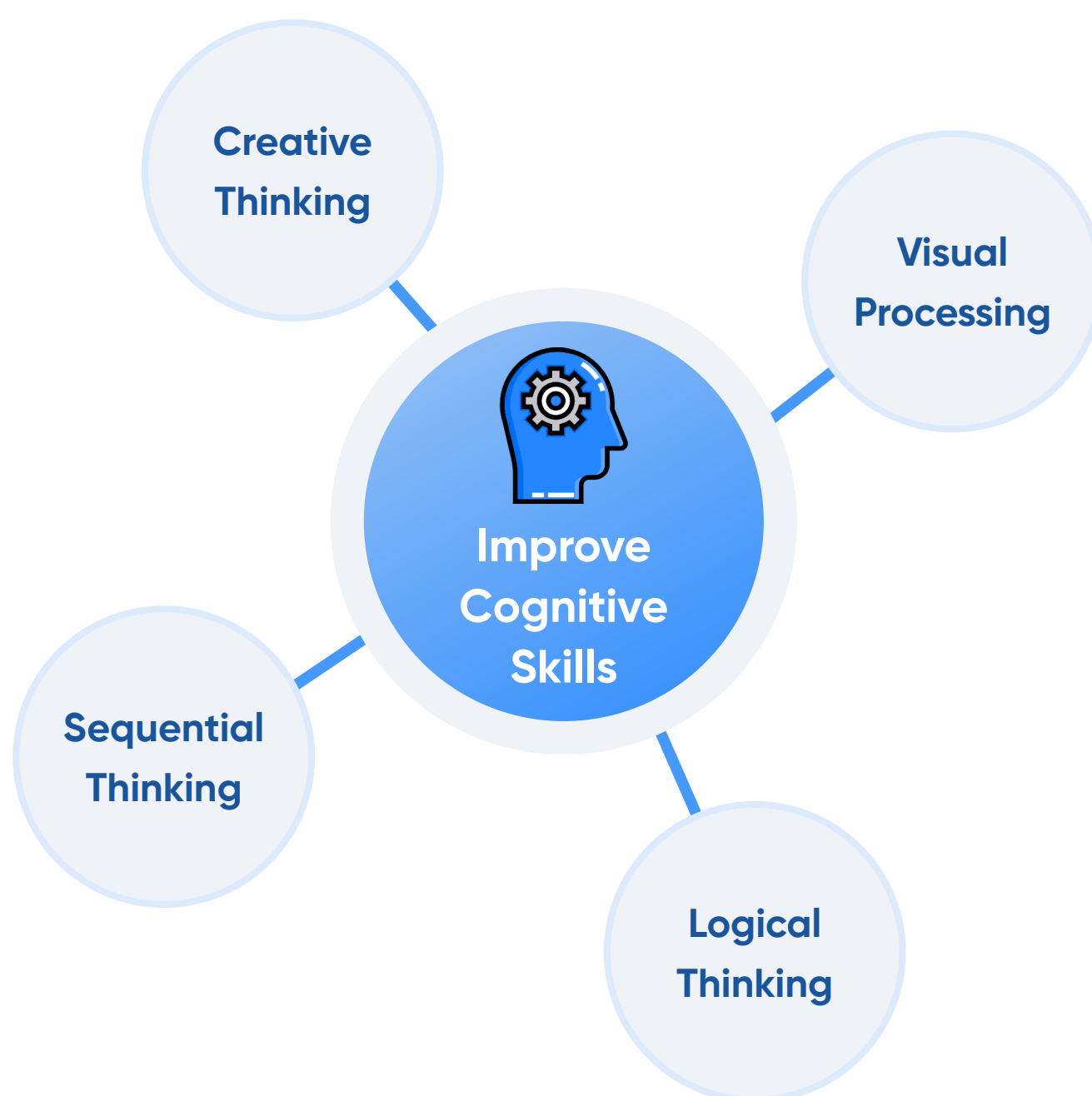
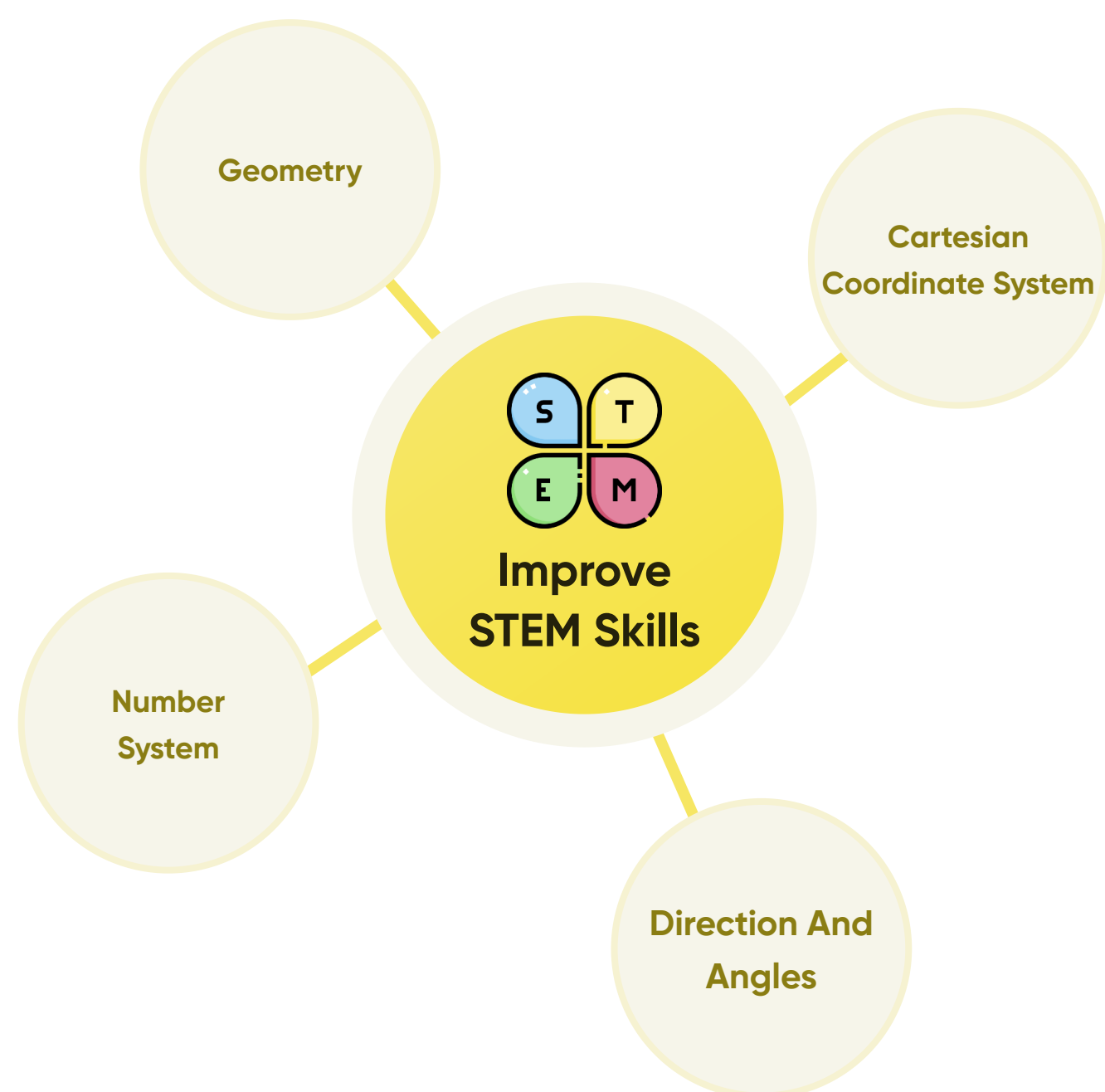


Responsive Application



React Native Interactive Game

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### Become An App Superstar

Learn To Create Advanced Apps

#### The Path To Mastery



48 sessions



Website Builder



96 sessions



Website Superstar



144 sessions



App Builder



196 sessions



App Superstar



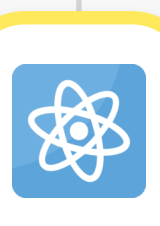
## Learn To Build Industry Based IOS And Android Applications Using React Native



### Reach Navigation

Session 145–158

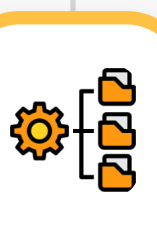
- Adding Screen, Creating Routes
- Navigation and Passing Data between Screens
- Creating Filters



### State Management With Redux

Session 159–173

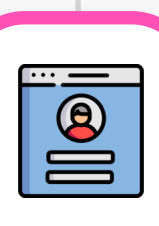
- Managing States, Selecting State Slices
- Dispatching Actions & Reducer Logic



### Network Request And Data Management

Session 174–177

- Making Network Request
- Receiving Products From Server
- Storing Received Data



### User Authentication

Session 178–183

- Creating User Logins
- Storing User Based Info
- Implementing Auto Login/Logout



### Native Device Features

Session 184–192

- Using Device Camera & Location
- Storing Data Locally Using Spltie
- Compiling Apps For Android/IOS

## What Will My Child Create?

1

Advanced React Native

+

3

Industry Application

### Examples



Multi Layered Food Delivery App

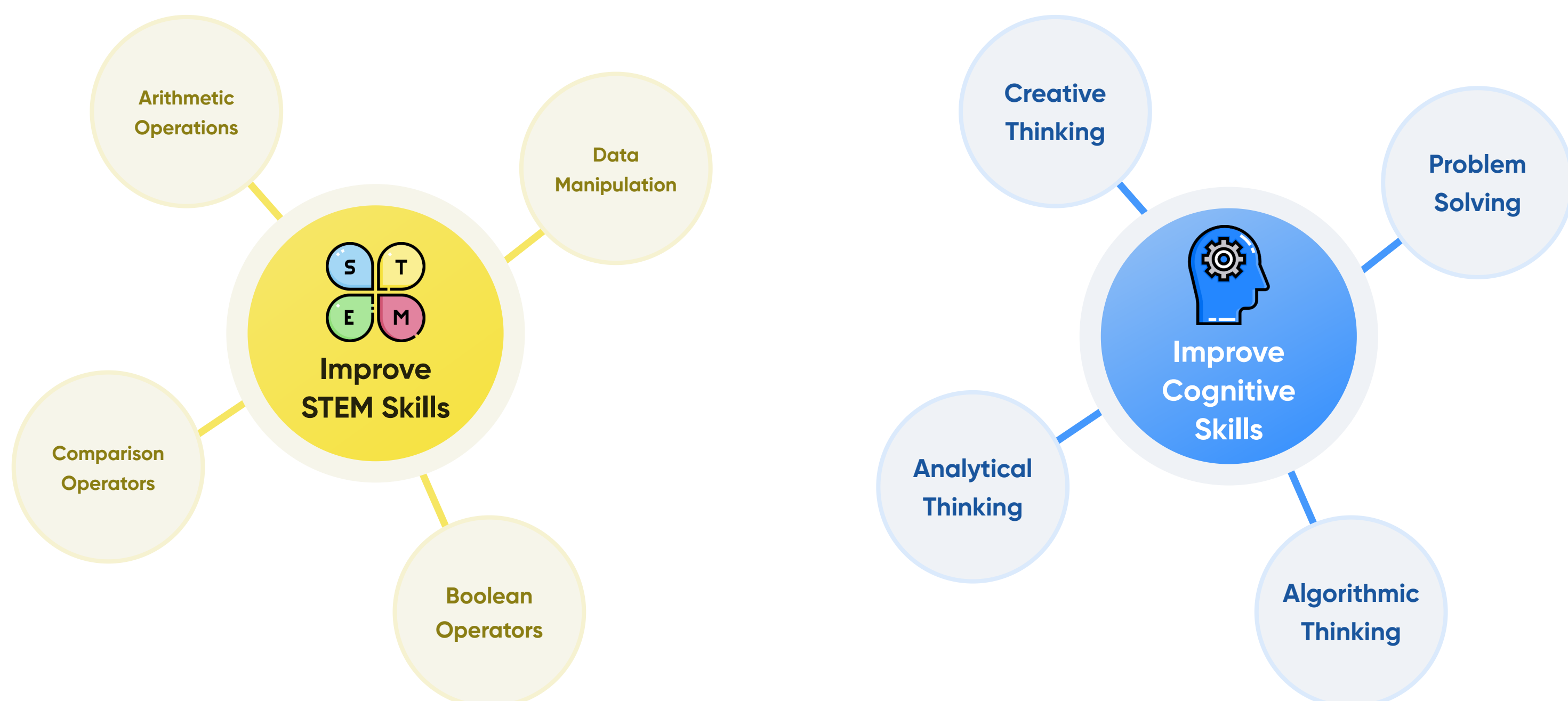


E-Commerce Shopping App



Vacation Spots Information App

## Improve STEM & Cognitive Skills Via Coding!



15-days no questions refund policy



Lifetime access to CY learning content

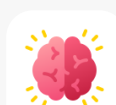


Easy Monthly-EMI options



### The Codeyoung Promise

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



Enhanced Creativity



Better at Math



Improved Logic



Confidence in Communication