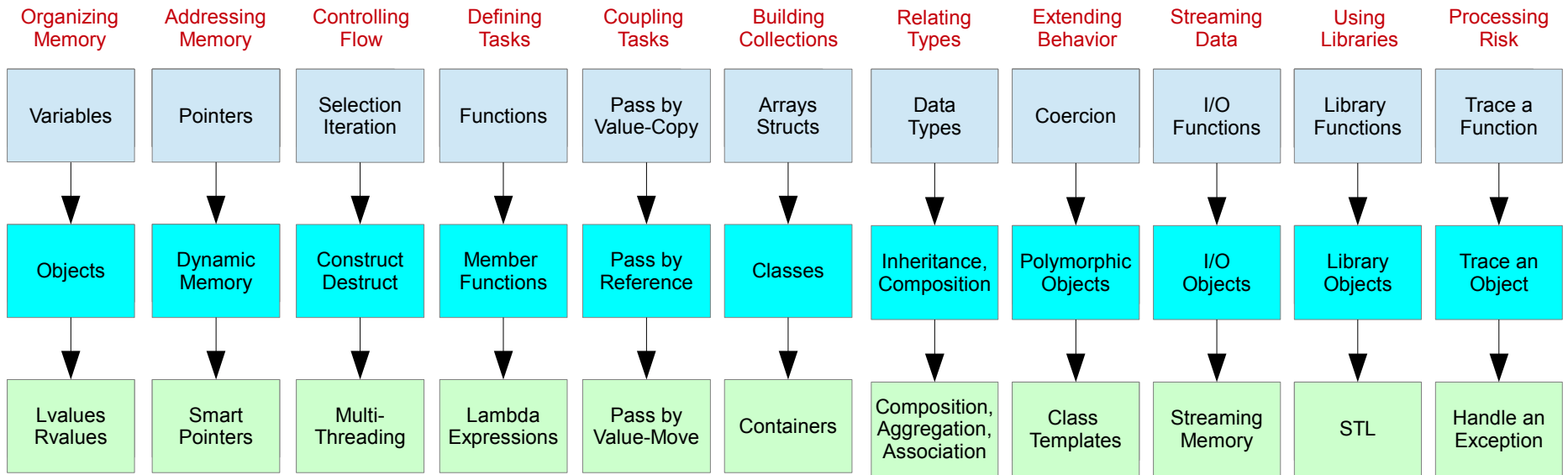# Core Programming Stream - Why is This Topic Important?

Organizing Memory	Addressing Memory	Controlling Flow	Defining Tasks	Coupling Tasks	Building Collections	Relating Types	Extending Behavior	Streaming Data	Using Libraries	Processing Risk
Variables	Pointers	Selection Iteration	Functions	Pass by Value-Copy	Arrays Structs	Data Types	Coercion	I/O Functions	Library Functions	Trace a Function
Objects	Dynamic Memory	Construct Destruct	Member Functions	Pass by Reference	Classes	Inheritance, Composition	Polymorphic Objects	I/O Objects	Library Objects	Trace an Object
Lvalues Rvalues	Smart Pointers	Multi-Threading	Lambda Expressions	Pass by Value-Move	Containers	Composition, Aggregation, Association	Class Templates	Streaming Memory	STL	Handle an Exception

Legend

Topic

IPC144 BTP100
OOP244 BTP200
OOP345 BTP305

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