

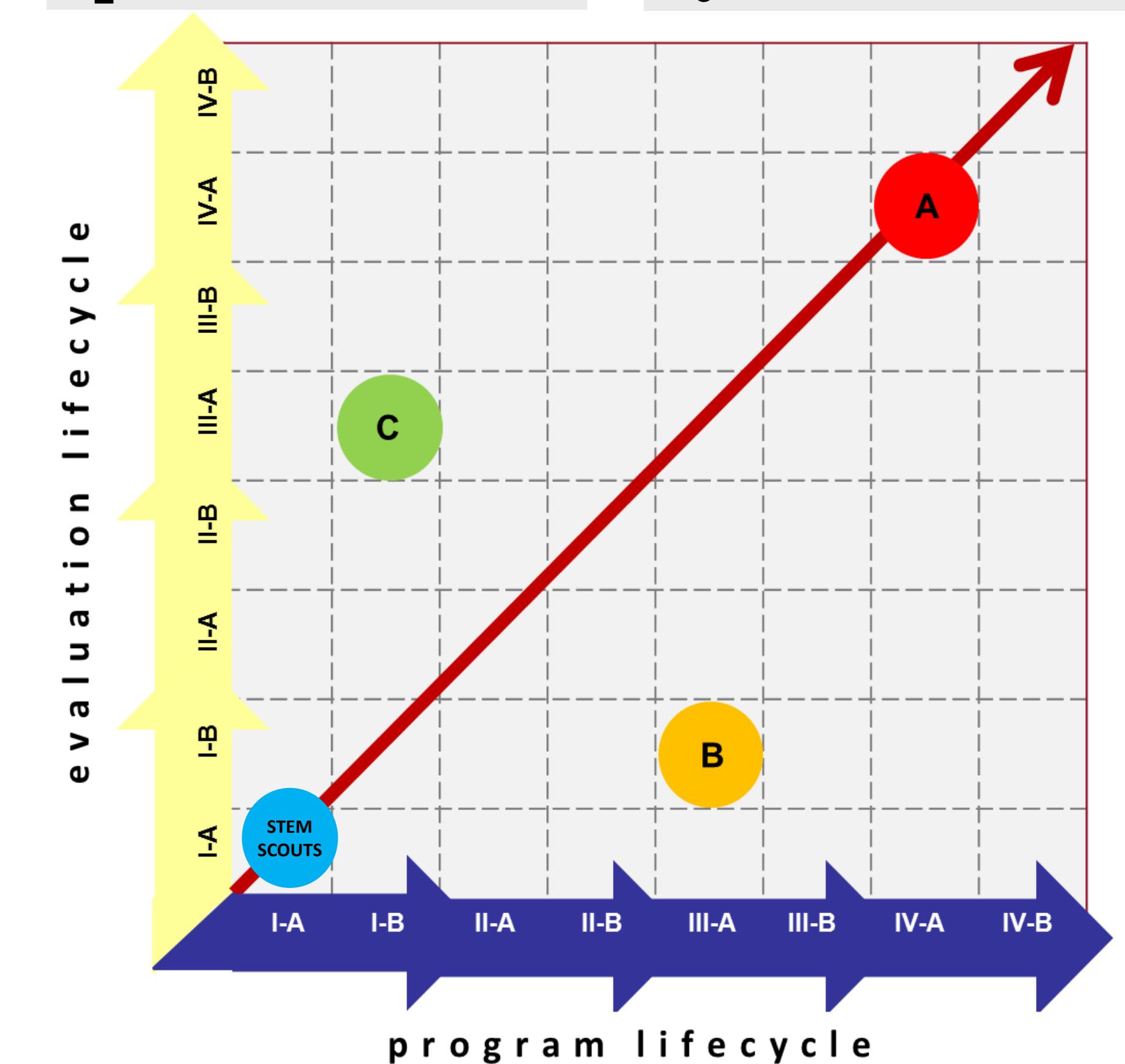
Evaluating STEM Scouts: The Design of a Comprehensive Evaluation Plan and Feasibility Study

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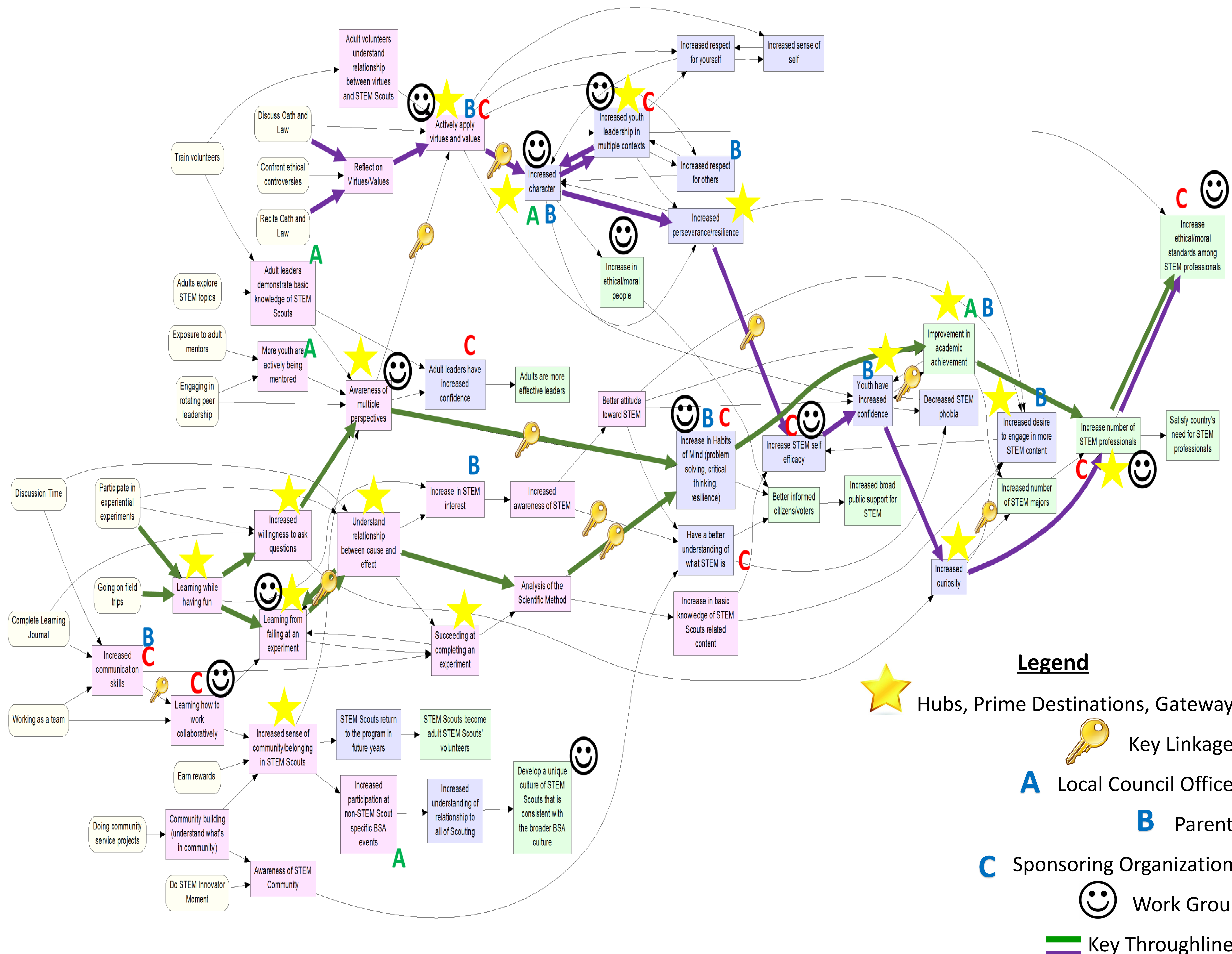
Lifecycle Alignment

Program Lifecycle		Evaluation Lifecycle	
Phase I Initiation	Initial implementation(s); rapid or substantial change or revision	Phase I Process & Response	Examines implementation, satisfaction; post-only; presence or absence of selected outcomes; reliability of measures
Phase II Development	Scale and scope of revisions are smaller; most program elements are implemented consistently	Phase II Change	Examines program's association with change in group outcomes; pre- and post-test of outcomes; measure reliability and validity
Phase III Stability	Program is implemented consistently; has formal written procedures or protocol	Phase III Comparison & Control	Assesses effectiveness; quasi-experiments; randomized control trials
Phase IV Dissemination	Program is implemented in multiple sites; widely distributed	Phase IV Generalizability	Examines outcome effectiveness across wide range of contexts; meta-analysis



Mining the Model Key Questions

- Are there any **"Prime Destinations"** (outcomes with a lot of arrows going IN to them)?
- Are there any **"Gateways"** (outcomes with a lot of arrows going FROM them)?
- Are there any **"Hubs"** (outcomes with a lot of arrows going in AND out)?
- Where are the **most important linkages**?
- What do the **primary stakeholders** care most about?
- What are the **main causal stories**?



Legend

- ★ Hubs, Prime Destinations, Gateways
- 🔑 Key Linkages
- A Local Council Offices
- B Parents
- C Sponsoring Organizations
- 😊 Work Group
- ➡ Key Throughlines