RSCE Codex - Phase 1 - rsce.py (ASC2 Clean)

curriculum_engine.py

```
class CurriculumNode:
    def __init__(self, name, domain, tier, parent=None):
        self.name = name
        self.domain = domain
        self.tier = tier
        self.parent = parent
        self.children = []

    def add_child(self, child_node):
        self.children.append(child_node)

    def display(self, depth=0):
        prefix = "  " * depth
        print(f"{prefix}- {self.name} [{self.domain}] (Tier {self.tier})")
        for child in self.children:
            child.display(depth + 1)

class CurriculumEngine:
    def __init__(self):
        self.root = CurriculumNode("Infinite Fold", "Universal", 0)

    def build_base_structure(self):
            node_math = CurriculumNode("Sacred Mathematics", "Terrence Howard", 1,
self.root)
        node_econ = CurriculumNode("Supply & Economics", "Jeff Bezos", 1, self.root)
        node_tech = CurriculumNode("Technology", "Elon Musk", 1, self.root)
        node_cosmos = CurriculumNode("Cosmology", "Neil deGrasse Tyson", 1, self.root)
            node_belief = CurriculumNode("Belief Systems", "Anunnaki Observer", 1,
self.root)

        self.root.add_child(node_math)
        self.root.add_child(node_econ)
        self.root.add_child(node_tech)
        self.root.add_child(node_cosmos)
        self.root.add_child(node_belief)

        # Deeper recursion examples (simplified for scaffold)
           node_math.add_child(CurriculumNode("Phi Harmonics", "Sacred Mathematics", 2,
node_math))
            node_cosmos.add_child(CurriculumNode("Planetary Recursion", "Cosmology", 2,
node_cosmos))
          node_belief.add_child(CurriculumNode("Symbolic Systems", "Belief Systems", 2,
node_belief))

    def display_curriculum(self):
        self.root.display()
```

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```
def main():
    engine = CurriculumEngine()
    engine.build_base_structure()
    engine.display_curriculum()

if __name__ == "__main__":
    main()
```