Cubelets Lessons Outline

**Cubelets for Clubs and 1 Hour of Getting Started**

1. Basic Robotics with Cubelets – What to do if you just have one hour

2. Additional 40 minutes of Activities

**Cubelets Robotics 27 Lessons for K – 3rd Grade (ages 6-9)**

1. Robot Creatures (4 lessons of 20 minutes each with 2 optional lessons)

2. Cubelets Robot Building Challenges (5 lessons of 30 minutes each)

3. Characteristics and Categories (4 lessons of 20 minutes each - can extend an additional 60 to 120 minutes)

4. Cause and Effect (4 lessons of 20 minutes each – can extend an additional 60 to 120 minutes)

5. Easy Cubelets Robots (4 lessons of 15 minutes each – can extend an additional 60 to 90 minutes)

6. More Robot Building Challenges (6 lessons of 20 minutes each)

**Cubelets Robotics 12 Lessons for 4th - 8th Grade (ages 9-11)**

1. Introduction to Engineering (2 lessons of 20 min each)

2. How Does it Work? (2 lessons of 20 min each)

3. Reverse Engineering (3 lessons of 15 min each)

4. Criteria and Constraints (3 lessons of 15 min each)

5. Design Thinking (2 lessons of 20 min each)