

# Keystone Elementary Optional School

3-5 Optional Field Trip to **Museum of Science and History**  
December 17, 2025

## Purpose:

The Imax film aims to inspire young people to see engineering as a path to solve global challenges, making SET exciting and relevant for building a sustainable world. *Cities of the Future* is a 40-45 minute IMAX documentary exploring how engineers are designing sustainable, smart cities using innovations like [renewable energy](#), [space-based solar power](#), [electric flying vehicles](#), and [greener infrastructure](#), blending CGI with real examples from cities like [Amsterdam](#), [Singapore](#), and [Los Angeles](#), while also following middle schoolers in the Future City Competition to inspire SET and STEM careers.

## Key Themes & Features:

- **Sustainable Solutions:** Showcases technologies for 100% renewable power, solar energy beamed from space, efficient recycling, and smart buildings.
- **Innovative Transportation:** Features concepts like [aerial highways](#) and electric flying vehicles (eVTOLs).
- **Real-World Inspiration:** Highlights cities undergoing transformation, like Amsterdam (bicycles, off-grid buildings) and Singapore (urban greening).
- **Future City Competition:** Follows students designing their own future cities, connecting engineering principles to real-world challenges.
- **Engineering Focus:** Produced in partnership with the [American Society of Civil Engineers \(ASCE\)](#), emphasizing human ingenuity and STEM for a better planet.

Find this document with **live links** to all the underlined information on Ms. Peacock's page.

[keystone-es.scsk12.org/teachers/peacock-laura/optional](http://keystone-es.scsk12.org/teachers/peacock-laura/optional)

# Design Your Own Future City

**Due: Return to Ms. Peacock January 6, 2026**

This is part of your Optional Expectations and will be a grade for Quarter 3.

Goal

After watching the IMAX documentary Cities of the Future, you will design your own city for the year 2050 using ideas from the film and your imagination. Your city should be smart, sustainable, and innovative!

Step 1: Reflect on the Documentary

- List three innovations you saw in the film (examples: space-based solar power, electric flying vehicles, green architecture).

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_
- Explain why these innovations are important for future cities.

\_\_\_\_\_

Step 2: Design Your Future City

Your city should include:

- Energy Source
- Transportation
- Green Infrastructure
- Technology
- Community Features

Step 3: Choose Your Format

Pick ONE way to present your city:

- Poster or Drawing
- Digital Presentation
- Model
- Written Report

Step 4: Connect to STEM Careers

Write a short paragraph: 'What STEM career would you need to help build this city, and why?'

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Grading Rubric (20 points)

| Reflection             | 5 pts  |
|------------------------|--------|
| City Design            | 10 pts |
| STEM Career Connection | 3 pts  |
| Presentation Quality   | 2 pts  |