

Learning Goals

Week 4b

The image features large, green, 3D-style letters spelling 'APCS'. The letters are outlined in black. The 'A' has 'APCS' written vertically on its left side. The 'P' has 'PRACTICES' written vertically on its right side. The 'S' has 'S' written vertically on its right side. The 'C' has 'C' written vertically on its right side. The letters are arranged in a slightly overlapping, perspective view.

- **Constant velocity and constant force models**
- **Springs and spring forces**
- **Effective spring constant**
- **Atoms and materials**
- **Young's modulus**