

Comparing Science and Engineering Practices

Identify the main scientific and engineering practice needed to do the underlined directions.

| Practice | Station 1 A Matter of Soils | | Station 2 Getting to Know a Flower | Station 3 The Melting of Ice | Station 4 The Earth: An Eggxample | Station 5 The Life of Yeasts | Station 6 Crickets | | Station 7 Cartesian Diver |
|--|--------------------------------|--------|---------------------------------------|---------------------------------|--------------------------------------|---------------------------------|-----------------------|------------|------------------------------|
| | Soil A | Soil B | | | | | Crickets A | Crickets B | |
| Asking questions and defining problems | | | | | | | | | |
| Developing and using models | | | | | | | | | |
| Planning and carrying out investigations | | | | | | | | | |
| Analyzing and interpreting data | | | | | | | | | |
| Using mathematics and computational thinking | | | | | | | | | |
| Constructing explanations and designing solutions | | | | | | | | | |
| Engaging in discussions from evidence | | | | | | | | | |
| Obtaining, evaluating, and communicating information | | | | | | | | | |

(Adapted from California Academy of Sciences)