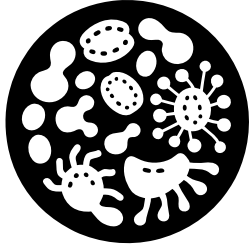


# DOT DETECTIVES

MICROBIAL MYSTERIES  
& MEDICAL MARVELS

SIXTH GRADE



## LEARNING OBJECTIVES

- Conduct independent research on medical careers
- Cite credible sources and create proper bibliography
- Understand cell structure and function
- Create professional presentations of research findings
- Explore post-secondary education in healthcare
- Reflect on career interests and future goals

7 WEEK UNIT

MEDICAL RESEARCH & CAREER

## WEEKLY ACTIVITIES

1. Career Introduction: Health sciences careers video overview
2. Cell Biology: Cell video, diagram, labeling, cell worksheet
3. Cell Art Inspiration: Yayoi Kusama art connection to cells
4. Research Project: Independent research with 3+ sources
5. College Field Trip: SBCC campus tour, health programs showcase
6. Presentations: Medical career research presentations begin
7. Universal project: Blood slime creation (take-home)

## SKILLS

1. Career awareness, future planning, research skills
2. Cell knowledge, detailed observation, labeling
3. Art interpretation, creativity, science-art connection
4. Research, citation, synthesis, critical thinking
5. College exploration, networking, inspiration
6. Public speaking, communication, presentation
7. Creative play, takeaway project

## MATERIALS

1. Career videos, discussion guides
2. Cell videos, diagram worksheets, references
3. Kusama images, art supplies, markers, watercolors
4. Research guides, citation templates, databases
5. Transportation, campus materials, thank you letters
6. Presentation slides, note cards, audience
7. Starch, glue, red food coloring, sandwich bags

## CALIFORNIA STANDARDS

- 6.L.1.a Describe relationships within ecosystems
- 6.L.2.a Analyze energy flow and matter cycles
- Math 6.RP.A Understand ratios and unit rates
- ELA 6.W.7 Conduct research projects with multiple sources