

ROCK LAYERS

ACTIVITY

LEARNING OBJECTIVES

1. TYPES OF ROCK
2. ROCK FORMATION
3. ROCK LAYERS INSTALLATION

YOU WILL NEED:

- ROLLS OF PAPER
- PENCILS, PENS OR PAINTS
- GEOPARK RESOURCE SHEETS /AND ACCESS TO BOOKS/INTERNET



THIS ACTIVITY WORKS WELL WITH LARGER GROUPS, USING LARGE ROLLS OF PAPER, BUT COULD BE ADAPTED FOR INDIVIDUALS. SPLIT INTO 3 GROUPS: GREENSAND, GAULT CLAY AND CHALK.

ROLL OUT 3 LARGE ROLLS OF PAPER ON THE FLOOR OR A SURFACE, TO CREATE ROCK LAYERS. USING THE OTHER CROSS-CHANNEL GEOPARK RESOURCES /AND INDEPENDENT RESEARCH, EACH GROUP SHOULD DISCOVER MORE ABOUT THEIR ROCK TYPE, WHEN AND HOW IT WAS FORMED, THE ROCK PROPERTIES AND FOSSIL EVIDENCE.

THROUGH DRAWING AND WRITING, THE GROUPS SHOULD RECORD THEIR FINDINGS ON THE PAPER. ONCE THE PAPER IS FILLED AND READY, GET THE GROUPS TO CREATE A TIMELINE OF THE ROCK FORMATION BY LAYERING THE PAPER CORRECTLY AS IT WAS DEPOSITED IN THE CRETACEOUS PERIOD. THIS PART OF THE ACTIVITY COULD GET PERFORMATIVE AND PARTICIPANTS CAN ENACT SOME OF THE PROCESSES OF SEA LEVEL CHANGE, GRAVITY, PRESSURE AND UPLIFT THAT FORMED THE BEDROCK GEOLOGY OF THE KENT DOWNS.

kentdowns.org.uk/geopark