This is not intended to be an exhaustive list, but lists some suggestions for fieldwork activities.

- 1. Observing the effect of wind blowing over water.
  - Paddling pools, ponds and lakes may show waves developing as wind blows across the water.
  - Toy boats, leaves and rubbish may be blown along.
  - A portable weather vane can be used to confirm the wind direction.
- 2. Observing the effect of wave action back moving sand/pebbles up/down the beach.
  - Wave action smooths and rounds grains as they move up and down the beach and rub against each other.
- 3. Observing that waves hitting the coast at an oblique angle cause longshore drift.
  - Look out for sand piled up against groynes or rocky outcrops.
  - If groynes are present, check the height of the sand on either side of the groynes and work out in which direction the longshore drift process is moving the sand.
- 4. Observing tide action.
  - Note the rise and fall of the (incoming/outgoing) tide.
  - Link observations to local tide tables or the phase of the moon (full, new, waxing, and waning).
- 5. Observing wind action across a beach.
  - Strong winds blow sand along the beach at low levels. (Safety note: This is best observed at a distance as windblown sand can be very painful on bare legs and dangerous for children, especially if blown into eyes)
  - Evidence for such sandblasting can often be seen at the base of posts or shown on damaged painted surfaces.
- 6. Observing sea defences such as sea walls, promenades, large stone blocks.
  - The effectiveness of these defences can be seen on TV news during the winter when there are reports about effects of storm surges.
- 7. Observing and investigating coastal rock pools.
  - This activity should only take place as the tide is going out, as a rising tide can lead to rocky outcrops becoming cut off very quickly.
  - This activity should be supervised at all times, but pupils can spend time explore rock pools, catching and identifying the resident creatures.
  - Always remember to:
    - return all creatures to the place they were found
    - replace creatures exactly as they were found, particularly if rocks have been turned or moved in the search for the creatures.