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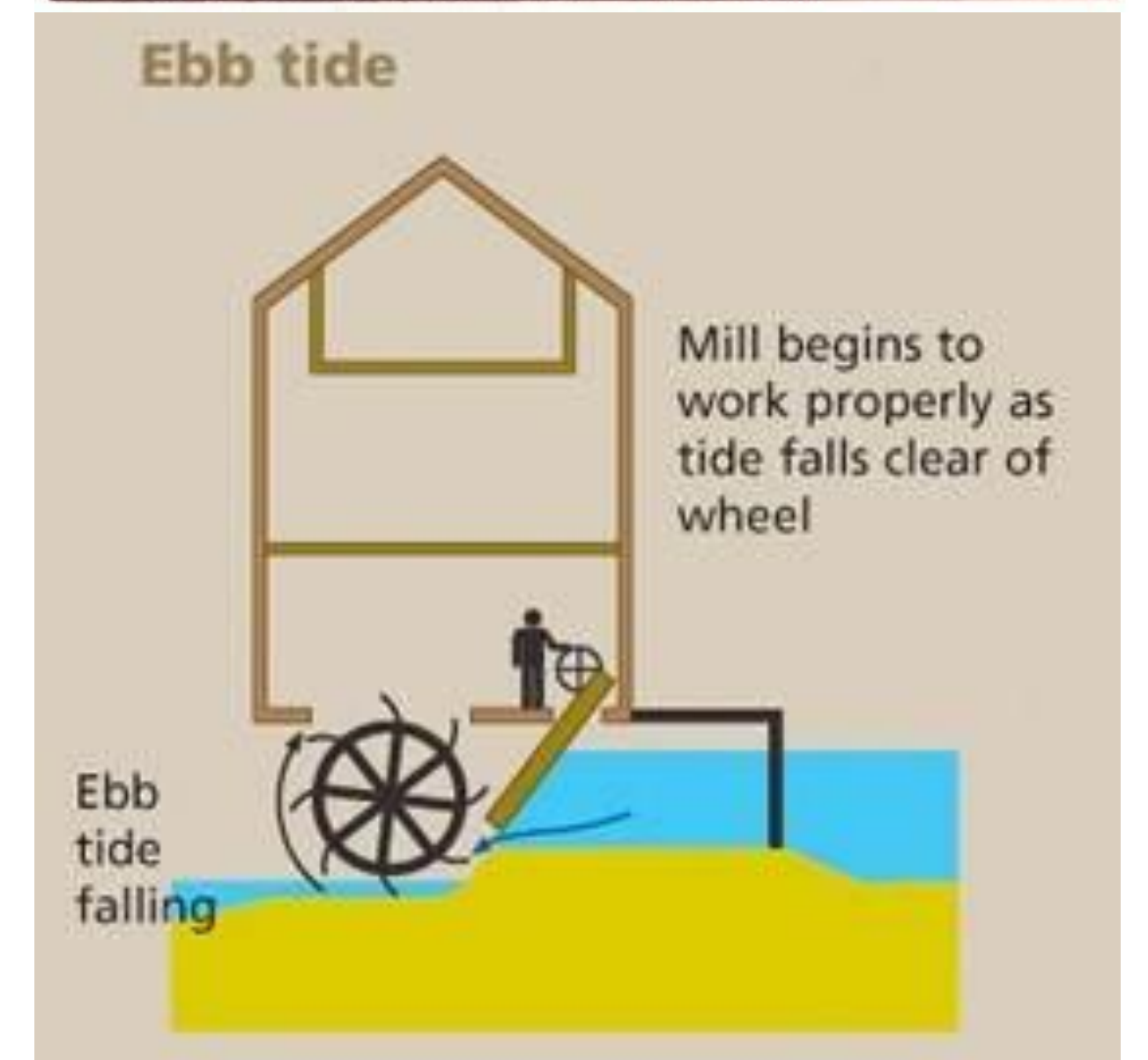
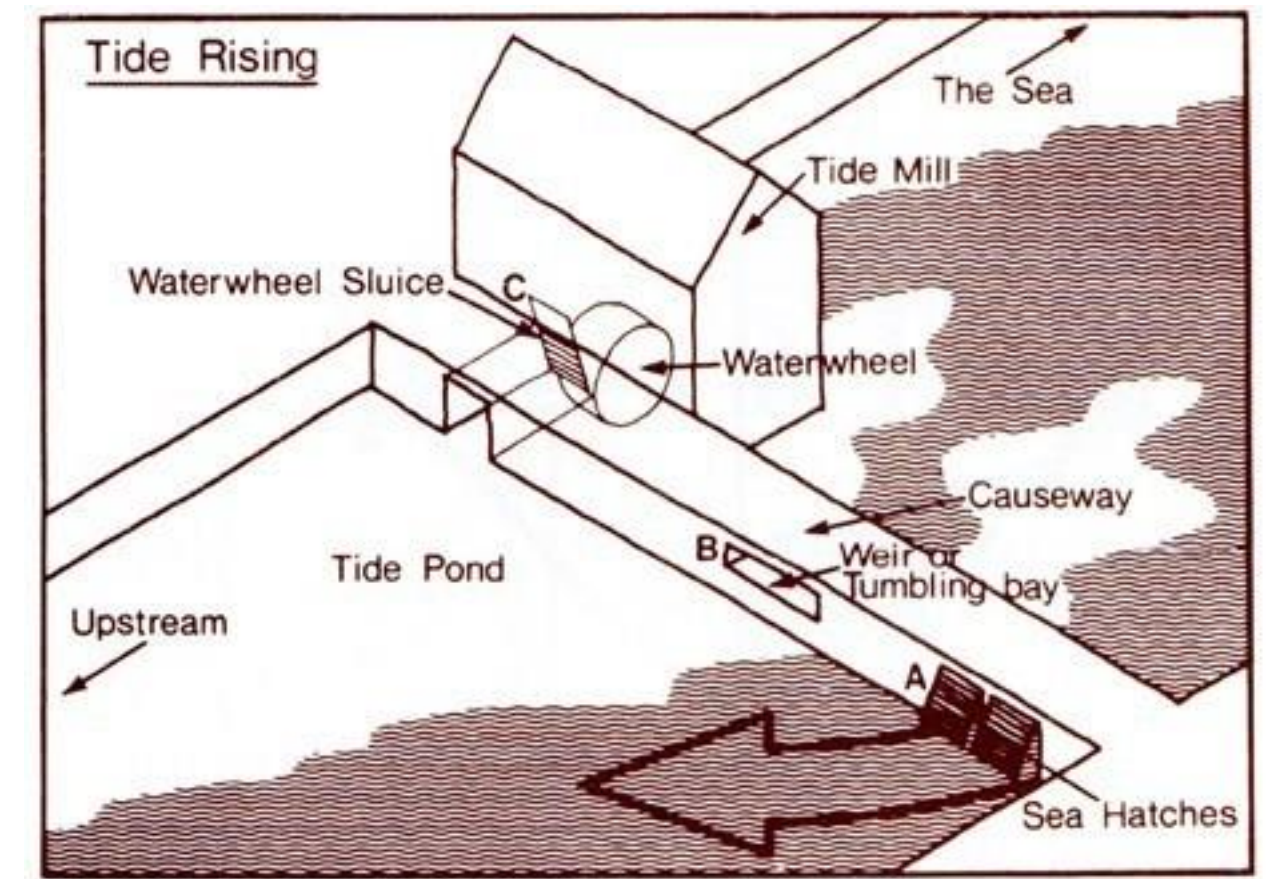
Do you know?



How a Tide mill uses the tides

Using the energy of the past to power the future

Tide mills use the energy of the tides to power a mill and are created across suitable tidal inlets or river estuaries away from the effects of waves but close enough to the sea to have a reasonable tidal range. As the tide comes in, it enters a mill pond through a one way gate. As the tide starts to turn, the gate automatically shuts, trapping the water in the pond. When the water level is low enough, the stored water can be released to turn a water wheel. A working tide mill is reliant on the state of the tide and the volume of water in the pond.



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The **Woodbridge Tide Mill** is one of only two tide mills that still work and are capable of grinding flour in the UK. The mill pond you can see today is only half an acre compared to the original seven acre site that once sat there. It is now being used as a marina.

The tide mill passed through the hands of many owners such as Henry VIII and Thomas Seckford and has been rebuilt twice since 1170 which was when a mill was first recorded on the site.



Image S Ballard



Design by the students of Farlingaye High School.

For more information visit the Woodbridge Tide Mill www.woodbridgetidemill.org.uk