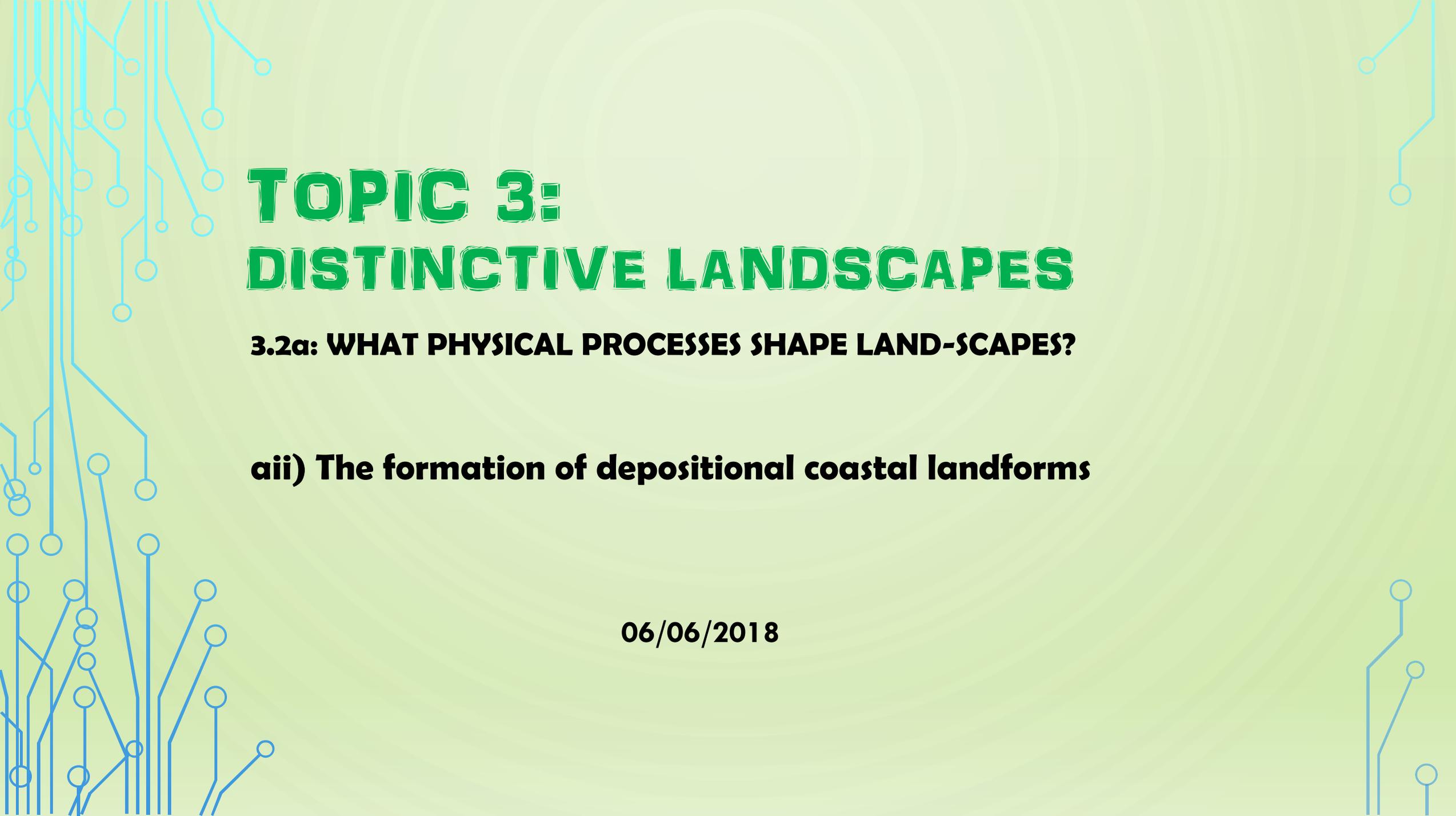


# WELCOME TO GCSE GEOGRAPHY



WHERE WILL IT TAKE US TODAY?



# **TOPIC 3: DISTINCTIVE LANDSCAPES**

**3.2a: WHAT PHYSICAL PROCESSES SHAPE LAND-SCAPES?**

**aii) The formation of depositional coastal landforms**

**06/06/2018**

# Let's get started: A question of 'coastal landforms'



- a) Name the landforms
- b) Which is the 'Odd One Out'? Why?
- c) Can you name any places in the UK that you have visited that have these landforms?

# LEARNING IS SUCCESSFUL WHEN I ...

## Know:

- ✓ What beaches and spits are

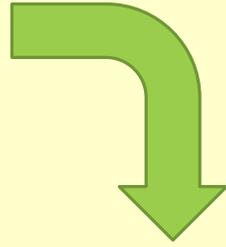
## Understand:

- ✓ How they form

## Employability Skills:

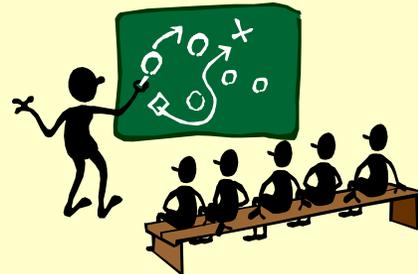
- ✓ Resilience/Determination





**PRESENT NEW INFORMATION**

**LOOK, LISTEN, LEARN**





# Beaches – what and why #1?

10 mins

## What?

Beaches are d\_\_\_\_\_ features.  
They are usually made from s\_\_\_\_\_ or sh\_\_\_\_\_  
They form in sh\_\_\_\_\_ areas along the coastline, often in b\_\_\_\_\_

## Why?

To understand why they form we need to consider waves.  
There are two parts to a wave – these are ? and ?  
Together these move sediment along the coastline, aka a process called tr\_\_\_\_\_ or more technically L\_\_\_\_ S\_\_\_\_\_ D\_\_\_\_\_

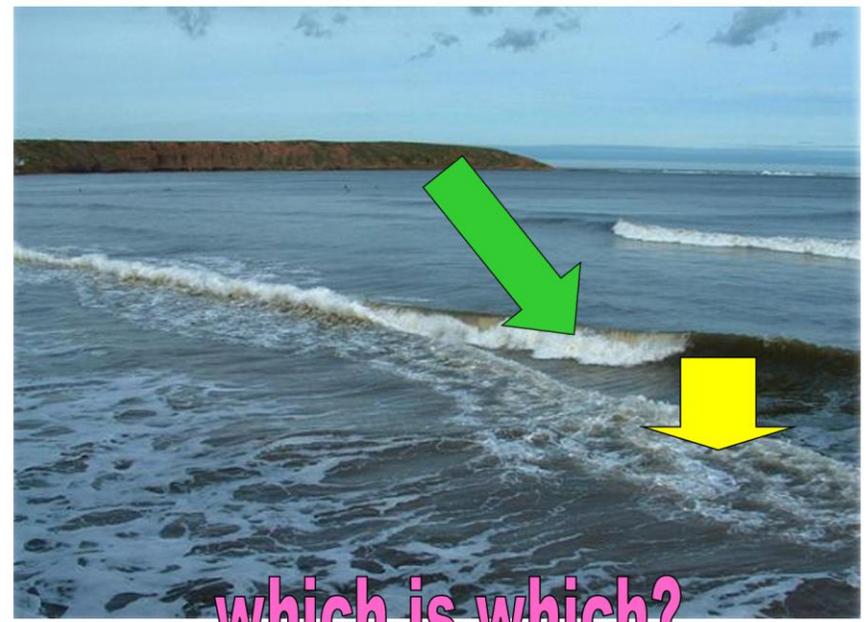
LSD sing along: <https://www.youtube.com/watch?v=6Sdj22vErkY>

<https://www.bbc.co.uk/education/clips/zhp4d2p>

<https://www.youtube.com/watch?v=U9EhVa4MmEs>



## Swash 'n' Backwash double act

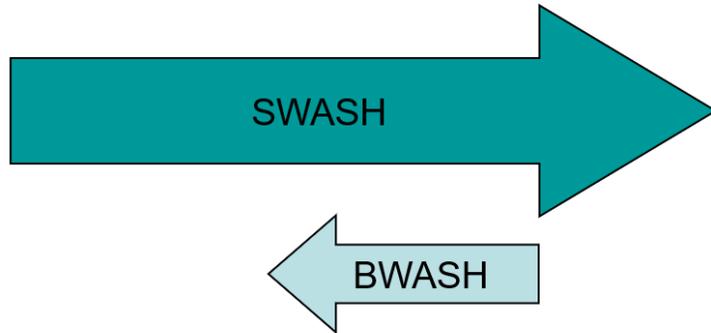


which is which?

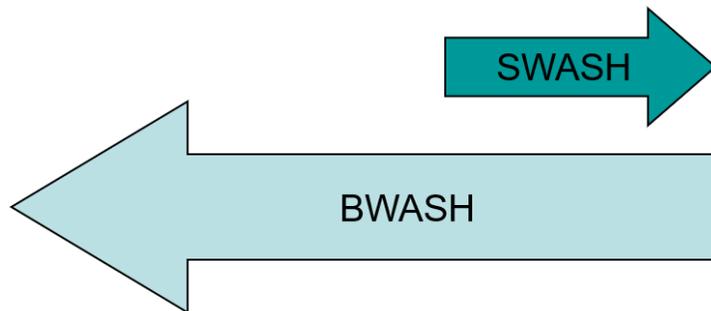
# Beaches – what and why #2?

sea

land



## Constructive or Destructive waves?



<https://www.youtube.com/watch?v=fkZB6EPw3ZI>

**FACT:** Waves carry sediment onto the beach with their SWASH and remove sediment from the beach with their BACKWASH.

OVER TO YOU:

1. Add the diagrams to your notes.
2. Label one set of arrows 'constructive' and one set 'destructive'
3. Which will increase the size of the beach? Why?



3.2a DCLF Constructive v Destructive ...



# Spits – what and why #1?

## What?

Spits are also depositional features.

They are usually made from s\_\_\_\_\_ or sh\_\_\_\_\_ and extend out from the coastline

## Let's investigate ...

Watch the clip and be able to say:

- a) Where the spit is located and what its name is
- b) How & why it formed
- c) How environmentally important this landform is

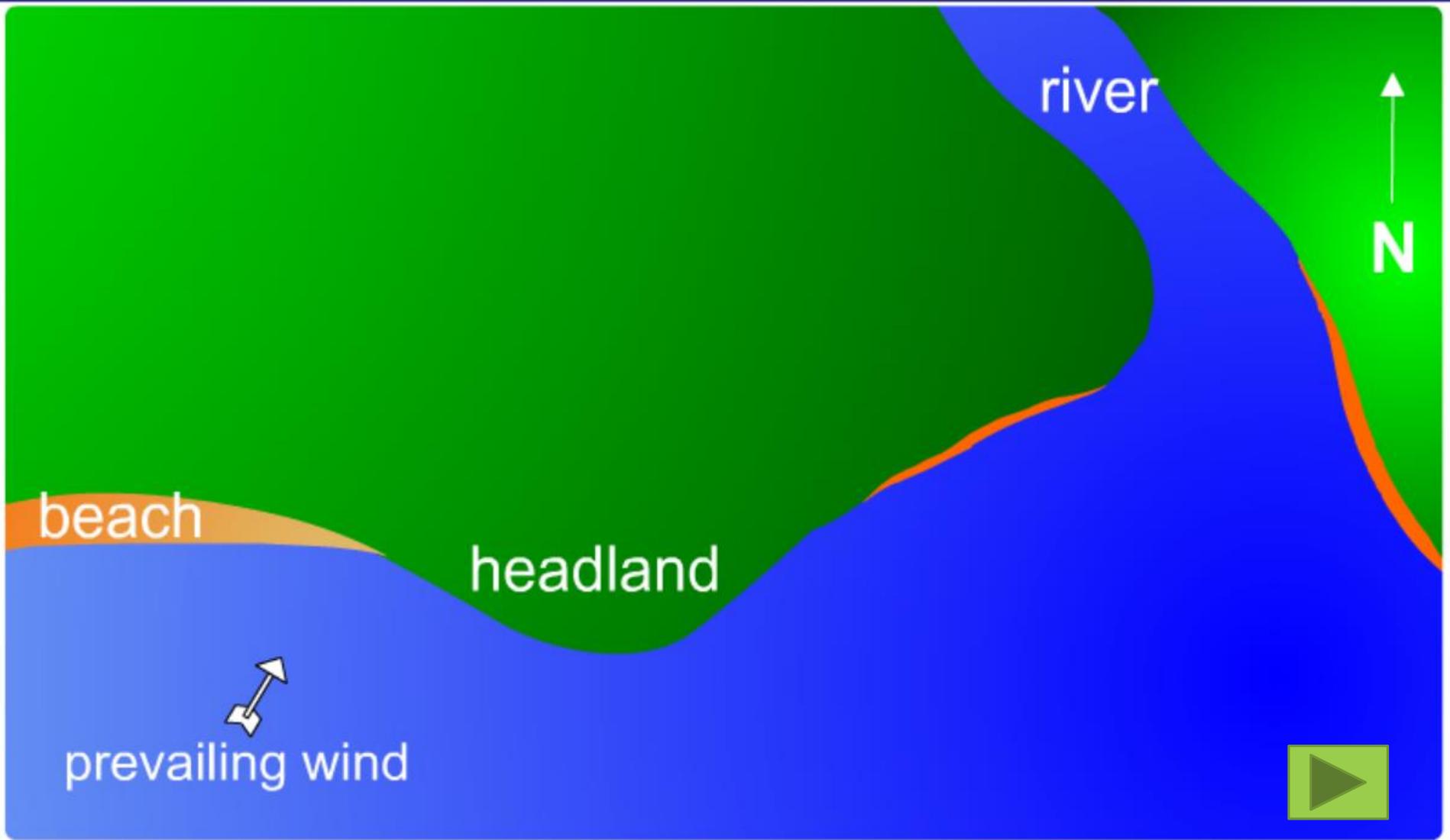
<http://www.bbc.co.uk/learningzone/clips/the-formation-of-spits/3246.html>

<https://www.bbc.co.uk/education/clips/zhp4d2p>



# Spits – what and why #2?

5 mins



APPLY TO  
DEMONSTRATE  
SHOW THAT I UNDERSTAND



## Depositional features: Beaches & Spits

### Beaches

- Found between the HWM and the LWM
- Formed by C waves
  
- Sandy beaches are F and W and GS
- Shingle beaches are L and N. They are S sloping

### Systems diagram for a beach

**Must:** copy & complete this diagram

**Should:** revisit our previous learning – can you name any places with sand and or shingle beaches?

**Could:** check out google maps or similar – find out which of these FIVE towns in Norfolk have beaches - Cromer, West Runton, Overstrand, Sheringham, Cley



### Spits

#### Systems diagram for a spit

**Must:** complete a systems diagram for a spit, use the model above to help you and your video knowledge

**Should:** draw an annotated diagram to show how the spit at Blakeney Point formed. Use the GCSE textbook [p87] to help you

**Could:** How environmentally important is the spit at Blakeney Point? Evidence your answer with at least TWO facts from the video.

# SKILLS CHECK!

6  
mins

How good are you at identifying coastal landforms on OS maps?

Draw the symbols that represent the following:

- Sandy beach
- Shingle beach
- Cliffs
- Wave cut platform
- Stack or stump



Get an OS map extract of the coast from your teacher, then see what features you can find for real

Give the 4 or 6 fig GR of those features



# WHAT WOULD AN EXAM QUESTION LOOK LIKE?

6  
mins



Describe the role of EITHER erosion or deposition in shaping the coastline. Refer to named landforms you have studied. [6 marks]

## Steps to Success

### BUGS the Question!

1. Choose E or D. Define it
2. Tell the examiner what landforms you are choosing
3. Describe the role of E or D in making that landform – e.g. is it the most important process? the only process involved? What else plays a part?



**REVIEW**

**WHAT HAVE I LEARNT?**



Something I don't really get from today's lesson is .....

## Plenary:

4 and 6 fig GR of the spit?

Evidence that erosion is a problem?

Direction of LSD?

Environmentally important?

5 mins



Something I have totally nailed from today's lesson is .....

# LEARNING IS SUCCESSFUL NOW I ...

## Know:

- ✓ What headlands, bays, caves, arches, stacks and stumps are

## Understand:

- ✓ How they form

## Employability Skills:

- ✓ Resilience/Determination
- ✓ Team-work

