

Teachers' notes

Land Use and Economic Activity

Suggested activities

Learning outcomes

By the end of the unit students should be able to:

- identify different land usage in Northern Ireland
- identify the differences between urban and rural land use
- understand that land use can be related to the climate of the area
- recognise that land use can change over time
- know that there are three main types of economic activity
- define the characteristics of each type of economic activity
- identify examples of the three main types of economic activity in Northern Ireland
- realise that specific economic activities are suited to specific locations
- recognise that economic activity changes through time
- identify some of the major economic activities that characterise Northern Ireland now and in the past
- realise that different economic activities demand different levels of labour and capital.

Students will develop an understanding of issues relating to human interaction with land - ie:

- understand that land use can lead to a conflict between social, economic and environmental needs [*Key Element: Cultural Understanding, Economic Awareness, Education for Sustainable Development*]
- understand that changing economic activity has an impact on population and settlement patterns [*Key Element: Economic Awareness, Education for Sustainable Development*]
- appreciate that different economic activities have an impact on the environment [*Key Element: Economic Awareness, Education for Sustainable Development*]
- recognise ways to conserve natural resources for future generations [*Key Element: Education for Sustainable Development*].

Section/resource	Learning outcome	Activities to achieve learning outcome
Clip 1: Primary Economic Activity	<ul style="list-style-type: none"> • Know that there are three main types of economic activity • Define the characteristics of each type of economic activity • Identify examples of the three main types of economic activity in Northern Ireland • Realise that specific economic activities are suited to specific locations • Identify some of the major economic activities that characterise Northern Ireland now and in the past 	<ul style="list-style-type: none"> • Ask the pupils to make a list of primary industries in their local area and identify reasons why those industries are in their current site <p>Related resources:</p> <ul style="list-style-type: none"> • <i>News clip: Fish farming</i> • <i>News clip: Fish quotas</i> • <i>News clip: Ballynahone Bog 1, 2</i>
Clip 2: Secondary Economic Activity	<ul style="list-style-type: none"> • Know that there are three main types of economic activity • Define the characteristics of each type of economic activity • Identify examples of the three main types of economic activity in Northern Ireland • Realise that specific economic activities are suited to specific locations • Identify some of the major economic activities that characterise Northern Ireland now and in the past 	<ul style="list-style-type: none"> • Ask the pupils to make a list of secondary industries in their local area and identify reasons why those industries are in their current site. Then make a list of secondary activities that were present 50 years ago. Discuss reasons for the differences in types of local industry <p>Related resources:</p> <ul style="list-style-type: none"> • <i>News clip: Shorts</i> • <i>News clip: Harland & Wolff</i> • <i>News clip: Job losses at Magee</i> • <i>News clip: Desmonds closure</i>

<p>Clip 3: Tertiary Economic Activity</p>	<ul style="list-style-type: none"> • Know that there are three main types of economic activity • Define the characteristics of each type of economic activity • Identify examples of the three main types of economic activity in Northern Ireland • Realise that specific economic activities are suited to specific locations. • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Recognise that economic activity changes through time 	<ul style="list-style-type: none"> • Ask the pupils to make a list of tertiary industries in their local area and identify reasons why those industries are in their current site. Then make a list of tertiary activities that were present 50 years ago. Discuss reasons for the differences in types of local industry <p>Related resources:</p> <ul style="list-style-type: none"> • <i>News clip: Titanic theme park</i> • <i>News clip: Gem call centre</i> • <i>News clip: BT call centre</i> • <i>News clip: Job losses</i>
<p>Clip 4: Changing Economic Activity</p>	<ul style="list-style-type: none"> • Know that there are three main types of economic activity • Define the characteristics of each type of economic activity • Identify examples of the three main types of economic activity in Northern Ireland • Realise that specific economic activities are suited to specific locations • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Recognise that economic activity changes through time • Understand that changing economic activity has an impact on population and settlement patterns 	<ul style="list-style-type: none"> • Using a job agency website, research the different type of jobs available. Select two tertiary jobs and two secondary jobs. Compare the qualifications required for each vacancy. Ask the pupils to discuss the necessary change of skills required to meet changing economic activity in the working population <p>Related resources:</p> <ul style="list-style-type: none"> • <i>News clip: Herdmans 1,2</i> • <i>News clip: Titanic theme park</i> • <i>News clip: Job losses at Magee</i>
<p>Clip 5: Rural Land Use</p>	<ul style="list-style-type: none"> • Identify different land usage in Northern Ireland • Identify the differences between urban and rural land use • Understand that land use can be related to the climate of the area • Recognise that land use can change over time • Understand that land use can lead to a conflict between social, economic and environmental needs 	<ul style="list-style-type: none"> • Identify different types of land use within a five mile radius of the school. The satellite images in Google maps are a useful aid <p>Related resources:</p> <ul style="list-style-type: none"> • <i>News clip: Lough Neagh pollution</i> • <i>News clip: Slurry pollution</i> • <i>News clip: Mourne National Park</i> • <i>News clip: Wind farms</i>
<p>Clip 6: Urban Land Use</p>	<ul style="list-style-type: none"> • Identify different land usage in Northern Ireland • Identify the differences between urban and rural land use • Understand that land use can be related to the climate of the area • Recognise that land use can change over time 	<ul style="list-style-type: none"> • Investigate changes in land use in the local area by comparing a current map and a map from 50 years ago. Ask the pupils to describe the changes in land use. Contact the local library, town hall or Ordnance Survey for copies of large scale maps <p>Related resources:</p> <ul style="list-style-type: none"> • <i>News clip: Titanic theme park</i> • <i>News clip: Giant's park</i> • <i>News clip: Toome Bypass 3</i> • <i>News clip: Green homes</i>
<p>Quiz</p>	<ul style="list-style-type: none"> • Revise all ecosystem learning outcomes 	<ul style="list-style-type: none"> • To be completed at the end of section to recap or to identify gaps in learning

<p>News clip: Climate Change</p>	<ul style="list-style-type: none"> • Realise that specific economic activities are suited to specific locations • Understand that changing economic activity has an impact on population and settlement patterns • Appreciate that different economic activities have an impact on the environment • Ways to conserve natural resources for future generations • Identify examples of the three main types of economic activity in Northern Ireland 	<ul style="list-style-type: none"> • Fishing is still an important primary industry in Northern Ireland but for how long? Discuss the threats posed to the industry by dwindling fish stocks and pollution. Debate possible initiatives that will protect local catches. See the BBC News story for ideas: http://news.bbc.co.uk/1/hi/sci/tech/6571241.stm
<p>News clip: Ballynahone Bog 1, 2</p>	<ul style="list-style-type: none"> • Realise that specific economic activities are suited to specific locations • Appreciate that different economic activities have an impact on the environment • Ways to conserve natural resources for future generations • Identify examples of the three main types of economic activity in Northern Ireland 	<ul style="list-style-type: none"> • Peat extraction is another primary industry that provides jobs in Northern Ireland. Peat is not a sustainable resource and forms an important natural habitat. Debate the pros and cons of protecting areas of bogland such as Ballynahone Bog
<p>News clip: Shorts</p>	<ul style="list-style-type: none"> • Understand that changing economic activity has an impact on population and settlement patterns • Identify examples of the three main types of economic activity in Northern Ireland • Recognise that economic activity changes through time • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Realise that different economic activities demand different levels of labour and capital 	<ul style="list-style-type: none"> • A decline in the corporate jet market has caused redundancies at Shorts. Discuss possible reasons for the decline in this market
<p>News clip: Harland & Wolff</p>	<ul style="list-style-type: none"> • Understand that changing economic activity has an impact on population and settlement patterns • Identify examples of the three main types of economic activity in Northern Ireland • Recognise that economic activity changes through time • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Realise that different economic activities demand different levels of labour and capital 	<ul style="list-style-type: none"> • Harland and Wolff is situated in East Belfast. In the 1960s, it employed 25,000 people; now its workforce is in the hundreds. Discuss the human and financial cost of this decline in East Belfast

<p>News clip: Job losses at Magee / Desmonds closure</p>	<ul style="list-style-type: none"> • Understand that changing economic activity has an impact on population and settlement patterns • Identify examples of the three main types of economic activity in Northern Ireland • Recognise that economic activity changes through time • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Realise that different economic activities demand different levels of labour and capital 	<ul style="list-style-type: none"> • The textile industry is another secondary economic activity in decline in Northern Ireland. Ask pupils to write a paragraph describing possible causes of this decline • Discuss wages and labour costs in the UK and abroad • Ask the pupils to pick ten items of clothing from their wardrobe and list the countries of origin. Collate all the numbers and record the number of outfits from each country • Create a bar chart to show the findings. How many of the garments were made in the UK? Ask the pupils to discuss reasons for their findings
<p>News clip: Job losses / Gem call centre / BT call centre</p>	<ul style="list-style-type: none"> • Identify examples of the three main types of economic activity in Northern Ireland • Recognise that economic activity changes through time • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Realise that different economic activities demand different levels of labour and capital 	<ul style="list-style-type: none"> • Collect job supplements from local papers. Divide the class into pairs and ask them to list all the vacancies, and categorise them into primary, secondary and tertiary activities. Ask them to create a pie chart showing the percentages of each type of industry
<p>News clip: Titanic theme park</p>	<ul style="list-style-type: none"> • Recognise that land use can change over time • Know that there are three main types of economic activity • Identify examples of the three main types of economic activity in Northern Ireland • Recognise that economic activity changes through time • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Realise that different economic activities demand different levels of labour and capital 	<ul style="list-style-type: none"> • The Titanic Theme Park is an example of changing economic activity. Find out more about the park and create a list of possible tertiary jobs required in the park. Ask the pupils to write job ads for each type of position
<p>News clip: Herdmans 1, 2</p>	<ul style="list-style-type: none"> • Recognise that land use can change over time • Recognise that economic activity changes through time • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Understand that changing economic activity has an impact on population and settlement pattern 	<ul style="list-style-type: none"> • Encourage pupils to investigate the change of use of buildings in their local area as a result of changing economic activity ie old mills converted into apartments

<p>News clip: Mourne National Park</p>	<ul style="list-style-type: none"> • Identify different land usage in Northern Ireland • Recognise that land use can change over time • Realise that specific economic activities are suited to specific locations • Recognise that economic activity changes through time • Identify some of the major economic activities that characterise Northern Ireland now and in the past • Realise that different economic activities demand different levels of labour and capital • Understand that land use can lead to a conflict between social, economic and environmental needs • Appreciate that different economic activities have an impact on the environment • Ways to conserve natural resources for future generations 	<ul style="list-style-type: none"> • Discuss the possible positive and negative impact on the local economy of the creation of the Mourne National Park
<p>News clip: Giant's Park</p>	<ul style="list-style-type: none"> • Identify different land usage in Northern Ireland • Recognise that land use can change over time • Understand that land use can lead to a conflict between social, economic and environmental needs • Understand that changing economic activity has an impact on population and settlement patterns • Appreciate that different economic activities have an impact on the environment • Ways to conserve natural resources for future generations 	<ul style="list-style-type: none"> • With land at a premium, space for rubbish dumps is becoming harder to find. Local councils have introduced various initiatives to reduce the pressure on landfill sites. Research some of these initiatives and score them on their impact and user-friendliness. See this BBC news story for ideas: http://news.bbc.co.uk/1/hi/uk_politics/6689865.stm • Research possible uses of old landfill sites
<p>News clip: Toome Bypass 3</p>	<ul style="list-style-type: none"> • Identify different land usage in Northern Ireland • Recognise that land use can change over time • Understand that land use can lead to a conflict between social, economic and environmental needs • Understand that changing economic activity has an impact on population and settlement patterns • Appreciate that different economic activities have an impact on the environment • Ways to conserve natural resources for future generations 	<ul style="list-style-type: none"> • In Northern Ireland more and more land is being allocated to road networks. Motor vehicles are convenient but contribute to carbon emissions and global warming. Discuss the pros and cons of alternative methods of transport • Select three places in Northern Ireland. Plan an environmentally friendly way of reaching each of these destinations - ie without a car. Compare the time it would take to travel to these places by car and by the environmentally friendly alternatives. Discuss the findings

News clip: Green homes / Wind farms

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| <ul style="list-style-type: none">• Identify different land usage in Northern Ireland• Recognise that land use can change over time• Understand that land use can lead to a conflict between social, economic and environmental needs• Appreciate that different economic activities have an impact on the environment• Ways to conserve natural resources for future generations | <ul style="list-style-type: none">• Friends of the Earth describe global warming as the single biggest threat to the planet. Ask the class to suggest environmentally friendly examples of land use such as wind farms |
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