

# Year 9: Unit 13:

## How does ice change the world?



Name: ..... Class: .....

Complete four pieces of homework during this topic. Sometimes there is a choice of task. Two will be marked by your teacher. Two will improve your knowledge and understanding in preparation for the assessment at the end. Hand in homework on one A4 sheet with your name, class, date and option written clearly at the top.

| ✓ Learning Checklist |  |
|----------------------|--|
| 1                    | How does ice change the world?                   |
| 2                    | How and why do glaciers form and move?           |
| 3                    | How do glaciers change the landscape?            |
| 4                    | How are landforms shaped by glacial erosion?     |
| 5                    | How are landforms shaped by glacial erosion?     |
| 6                    | How do we know the Lake District was glaciated?  |
| 7                    | How are landforms shaped by glacial deposition?  |
| 8                    | How do people use glacial landforms?             |
| 9                    | How do we investigate how glaciers are changing? |
| 10                   | How does ice change the world? Review            |

| Homework Challenges:  |   |
|---|---|
| Task 1 Option A: due: _____<br>Create a cartoon strip or animation to show how glacial ice forms over time.   | Task 1 Option B: due: _____<br>Explain why glaciers and glacial landscapes are important. Remember to include social, economic and environmental reasons.                                     |
| Task 2: Learning keywords: due: _____<br>Go to the department website: <a href="http://stmarysgeography.com">stmarysgeography.com</a><br>Under Year 9, Quizlet, find 'Glaciation'.<br>Play 'Learn', 'Match' or 'Test' for at least 15 minutes.  |   |
| Task 3: Option A: due: _____<br>Create a labelled model of glacial landform(s). You could use playdough, plasticine, lego, cardboard etc.   | Task 3 Option B: due: _____<br>Research a tourist destination that is created by glaciation eg: Svalbard, Alps, Snowdonia. Include an annotated image to show tourist activities in the area. |
| Task 4: Wordwall<br>Go to the department website: <a href="http://stmarysgeography.com">stmarysgeography.com</a><br>Under Year 9, Wordwall, find the topic 'Glaciation'<br>Complete each challenge at least once.<br>Repeat any challenge to get faster and move up the leader board. |   |
| Assessment:<br>End of unit test.  |   |

| Keywords:  |
|--|
| Abrasion; arête; corrie; crevasses; drumlins; erratics; fjords; glacier; glacial till; glaciologist; hanging valley; ice age; ice cores; ice sheet; lateral moraine; medial moraine; meltwater; misfit river; moraine; outwash plain, plucking; pyramidal peak; repeat photography; ribbon lake; snout; striations; tarn; terminal moraine; truncated spur; U-shaped valley; zone of ablation; zone of accumulation. |