

Friction Orienteering Quiz



Objective

To reinforce key facts about friction.



Equipment

- Enrich School Orienteering Map
- Orienteering control markers
- Activity Sheet
- Answer Sheet
- Beanbags
- Hula hoops (1 per team)



Preparation

- Children should have been introduced to a range of key facts about friction before taking part in this activity.
- Teachers can use the prepared Activity Sheet.
- Alternatively, they can select a specific set of orienteering control points for this activity and insert the numbers for these control points into the editable Activity Sheet. (Insert the 2nd letter from the marker of each control point you choose next to the correct answer.)
- Divide the class into teams (6 teams?).
- Provide each team with a copy of the Activity Sheet and an Enrich School Orienteering Map.



Instructions

- The Activity Sheet has a set of questions on friction, each of which has three possible answers to choose from.
- At the starting point, each team chooses one of their questions and ticks against what they decide is the correct answer. (The teacher makes sure that they have ticked against an answer for the question before running to check their answer.)
- Using their orienteering map, they then check the answer by running to the control point for that question. **The 2nd letter from the control marker is next to the correct answer.**
- They then run back to the starting point.
- If they got the question right, they collect one beanbag for their team and put it in the hoop at their collection point. If they did not get the question right, they cannot collect a beanbag.
- They then decide on the answer for the next question and run to the control point to check their answer – and so on.
- The team with the most beanbags at the end of the activity win the game.



Other information

- This activity could be used at the end of a topic on friction or forces or to revisit a previous topic.
- There is an answer sheet that accompanies this activity.

