



Activity Summary: Learners investigate how weather and field conditions affect the motion of a soccer ball. Using a mini soccer field, teams will test how a ball moves on different surfaces and under changing “weather effects,” then strategize how to score goals even when conditions make it tough to play.

The calculations below are for a class of 30, with learners working together in groups of 3 (10 groups total). Consumable materials needing replenishment before the activity are indicated in the **Notes** column.

| Item* | Class Quantity | Notes |
|---|--|---|
| Activity Guide (print) | 1 | Educator tool Download and print from webpage |
| Photo Set (print) | 1 set | Educator tool Download and print from webpage |
| Plastic trays, 12x16" | 10 | 1 per group |
| Mini soccer nets, feet, balls | 10 nets 40 feet (20 sets) 10 balls | 1 net per group 4 feet per group (2 sets of feet) 1 ball per group You will need to order 4 multi-piece sets to get enough feet. You will have 14 additional nets and 2 additional balls. If you would like to order additional balls, you can order them here . |
| Turf pads (~12x16") | 10 | 1 per group, fits in trays |
| Green felt (~12x16") | 10 | 1 per group, fits in trays |
| Sandpaper (~12x16") | 10 | 1 per group, fits in trays |
| Bubble wrap (~12x16") | 10 | 1 per group, fits in trays |
| Hand-held fans | 10 | 1 per group |
| Masking tape | 1 roll | Are there any instructions to go with this? (like for scissors) |
| Adult scissors | 1 | To cut materials to tray size (~12x16") |

*Links are suggestions - we encourage you to buy locally!

The materials in **PINK** are used in multiple activities; materials may be shared if activities are not running simultaneously.