



**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
<a href="#">Plastic trays, 12x16"</a>	10	1 per group
<a href="#">Mini soccer nets, feet, balls</a>	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 <a href="#">multi-piece sets</a> 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 <a href="#">here</a> .
<a href="#">Turf pads (~12x16")</a>	10	1 per group, fits in trays
<a href="#">Green felt (~12x16")</a>	10	1 per group, fits in trays
<a href="#">Sandpaper (~12x16")</a>	10	1 per group, fits in trays
<a href="#">Bubble wrap (~12x16")</a>	10	1 per group, fits in trays
<a href="#">Hand-held fans</a>	10	1 per group
<a href="#">Masking tape</a>	1 roll	Are there any instructions to go with this? (like for scissors)
<a href="#">Adult scissors</a>	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.