

Green Living Activity

Additional information for the
Activity Lead



Award the following marks

Criteria	0–3	4–6	7–10
Site layout	Attractive site but some of the features are in the wrong place or have been missed off. May be unfinished.	The site layout is correct, but unattractive or messy.	The site layout is correct, fully finished and attractive. Additional features may be shown.
Tender	The tender is incomplete.	The tender is complete but contains errors.	The tender is complete and correct.
Renewable and sustainable features	Not all the houses have two renewables or they have more than two renewables. Teams can't explain their decisions.	Not all the houses have two renewables or they have more than two renewables. Teams can justify their decisions.	Each type of house has two renewables that have been well thought out. Teams can explain their decisions well.
Presentation	Not all team members contribute to the presentation.	All team members take part in the presentation, but they do not get their message across in the time allowed.	All team members stand up and present their ideas clearly within the time allowed.
Teamwork	The team didn't gel and most of the individuals worked in isolation.	The team had some difficulties but were able to work through them. Some decisions were made without consulting the rest of the team.	Individuals worked well in their job roles, but came together to make decisions or offer help to others.

Teamwork will need to be judged throughout the activity. It can be used as the tie breaker if you only have enough prizes for one team.

Scoring sheet

Housing estate name:						
Team names						
Criteria	Award 1–3, 4–6 or 7–10 points for each criteria					
Tender						
Renewable/sustainable features						
Presentation						
Teamwork						
Totals						

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Tender submission example

Housing estate name _____

Compulsory costs per house (plant, materials and labour)		Number of houses
Remedial works	£8,500	10
Services per house	£9,500	10
Costs per house (plant, materials and labour)		Number of houses
Bungalow	£60,000	2
Two-storey house	£50,000	4
Three-storey house	£80,000	4

Choice of at least two renewables	Cost per house	Bungalow	Two-storey	Three-storey
Rainwater harvesting system	£800	2	4	4
Biomass boiler	£1,400			
Solar panels	£2,300	2		
Geothermal heating/cooling system	£7,300			4
2.5kW pole-mounted wind turbine	£3,000		4	

Cost of each house before profit	
Bungalow £60,000 + remedial works/services/renewables	£81,100
Two-storey £50,000 + remedial works /services/renewables	£71,800
Three-storey £80,000 + remedial works/services/renewables	£106,100

Cost of each house (selling price to the client) after profit is added				
	10%	15%	20%	25%
Bungalow	£89,210	£93,265	£97,320	£101,375
Two-storey	£78,980	£82,570	£86,160	£89,750
Three-storey	£116,710	£122,015	£127,320	£132,625

The client will add a further 30% to give the overall selling price

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Optional suggestions for pre-work

- Participants can look at the housing estates in their area to gain an idea of the types of housing. Discuss the different features.
- Visit a live site or a newly built housing estate with a show house.
- Organise a talk from a local house building company.
- Look at websites and marketing materials for house building companies e.g. Barratt, Wimpey Homes, Persimmon Homes or Redrow.
- Visit an estate agent to see how houses are sold.

Optional ideas for extension activities

- Draw a room plan to scale for one of the houses.
- Design the interior of one of the rooms for the show house.
- Plan, design and locate another building or structure as part of the development that will benefit the residents e.g. community hall or playground.
- Create a marketing strategy for selling the houses.
- Invite someone from the local authority planning department to speak about the process of gaining planning permission for large developments.
- Ask half the participants to write a newspaper article in favour of the site development and half to write an article against it.
- Build an entire model village or town.

