



# Tayport- Then, Now, Next

## Design a Sustainable House STEM Challenge



This term our whole school is celebrating the history of Tayport, as well as looking forward to its future. The STEM Challengers are looking to set a new design challenge...**If Tayport pupils could design sustainable homes for the future, what would they be like?**

The challenge begins on **Monday 28th April** and pupils will learn lots about it at our 'Learn to Learn' assembly on 30th April. We are encouraging pupils to draw plans and/or make simple 3D prototypes of their housing design (using recycled materials) that should answer these 8 questions...

1. Can I build a house that encourages people to be healthy and happy?
2. Can I build a house that looks good and has good design?
3. Can I build a house that encourages flowers and plants to grow?
4. Can I build a house that encourages wildlife into a built-up community?
5. Can I build a house that collects rainwater?
6. Can I include reused and repurposed materials in the build?
7. Can I build a house with good insulation?
8. Can I build a house that is powered by renewable energy?

The plans/models are due on **Wednesday 26th May** and will be evaluated by our STEM challenge MAD Group. We would then love to showcase these prototype models at our Learning Showcase on Friday 13th June.

If you have any questions please email [katie.duncan@fife.gov.uk](mailto:katie.duncan@fife.gov.uk).