

Exo-planets

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Task sheet

1

Draw circles for the orbits of your planets (remember to look at the scale on your model).



2

Using a different colour, draw circles for the orbits of the Earth (1AU), Jupiter (5AU) and Neptune (30AU), if they fit on your model, and label them.

3

Calculate where the habitable zone is and mark it on your model in a different colour.

4

Using plastacine, make your parent star. Think about its colour and size. Put it on your model.

5

Make your planets out of plastacine. Decide what they should look like by looking at their mass and type. Think about what the planets in our solar system look like.



6

Are any of your planets in or close to the habitable zone? Could there be any life in your system? If so, what might it be like – think about temperature, gravity, moons...