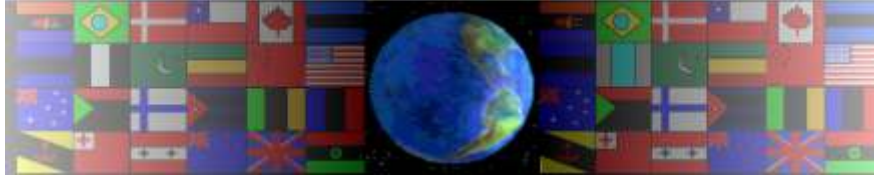


EXAMINATION QUESTION  
INJECTION MOULDING HIPS, HDPE, LDPE, PP,  
ACRYLIC (PMMA), ABS.

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On behalf of The World Association of Technology Teachers

**W.A.T.T.**



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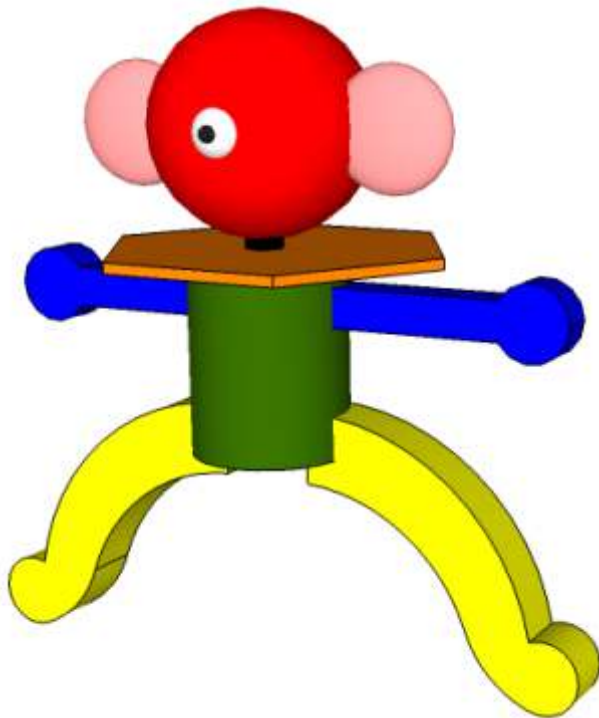
## EXAMINATION QUESTION

### INJECTION MOULDING HIPS, HDPE, LDPE, PP, ACRYLIC (PMMA), ABS.

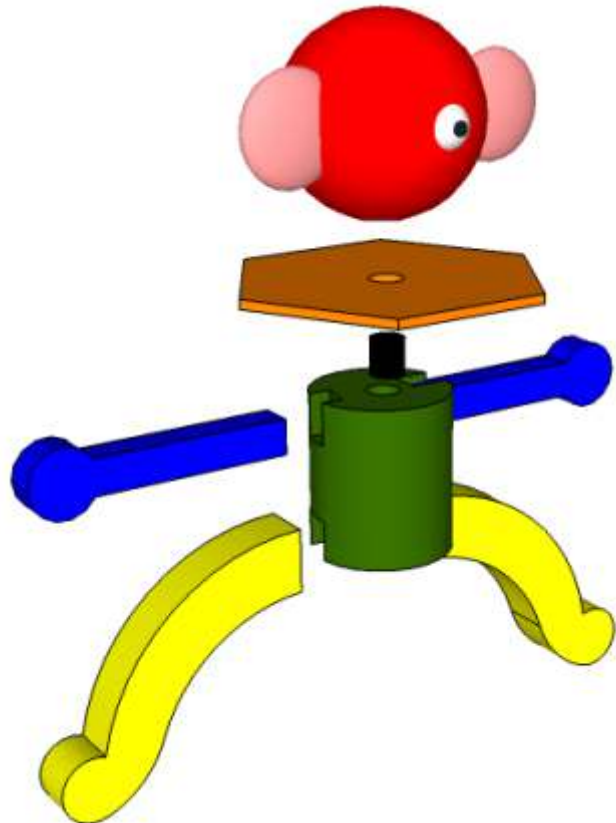
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The photographs below show a child's toy. The toy is constructed from a playset, made up of many different heads, arms, bodies etc... each part pushes in position, forming an entire character. A child using the playset can build a character, from any of the available interlocking parts.

PARTS IN POSITION  
FORMING CHARACTER



PARTS READY TO  
BE PUSHED IN  
POSITION



Name a polymer that is suitable for the manufacture of the playset parts.

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Why is the polymer you have named, suitable for the playset?

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The parts for the play set are manufactured through the process called injection moulding. Describe this process, using notes and diagrams/sketches.

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NOTES:

Lined area for taking notes, consisting of 15 horizontal lines.

DIAGRAMS / SKETCHES: