

MPI Astronomy Animations

Film 2: What are stars made of? - English

VOICE OVER:

Artist: Alex Beckett

Agent: Sue Terry Voices

MUSIC:

Title: Elfin Magic

Track No: 1529/5

Composer: Alexander L'Estrange (PRS)

Publishers: Audio Network Plc

Timecodes: 00:00:00 - 00:00:42, 00:00:42 - 00:01:20, 00:01:20 - 00:01:23

Separate Duration of Use: 42", 38", 3"

| Timecode | Details |
|----------|--|
| 10:00:00 | <i>Animation begins</i> |
| 10:00:02 | The stars that you can see in the sky are very very far away. |
| 10:00:06 | Even the nearest star – the sun – is about 150 million kilometers away, |
| 10:00:12 | So – if you wanted to find out what the stars were made of, you'd have to travel a long way into space. Right? |
| 10:00:18 | Well no. You can actually find out by looking at the starlight! |
| 10:00:24 | If you look at light through something called a prism, you can see that white light is actually made up of lots of different colours and it's these colours that can show us what the star is made of... |
| 10:00:36 | Astronomers have huge telescopes with special prisms that let you see the colours that make up starlight much, much more clearly. |

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| 10:00:44 | <p>What's amazing is that each one of these different colours comes from one of the ingredients – or atoms – that make up the star.</p> <p>When there's more green it means more oxygen - carbon shows up blue and hydrogen red...</p> |
| 10:00:58 | <p>And when we know what a star is made of – we can tell all sorts of things – like how old it is, how heavy it is, when it might explode, and even if it might be near a planet with life on it!</p> |
| 10:01:10 | <p>So next time you're looking at the stars – just imagine what you might be able to find about about them – just by examining the light.</p> |
| 10:01:23 | <p><i>Endboard</i></p> |
| 10:01:29 | <p>END</p> |