

Agent mission log

Mission 1: Enter the 3D dimension

MISSION BRIEF FROM AGENT NOVA

Agent, put on your 3D glasses. Some pictures look flat. Others jump off the page. Your mission: work out WHY your two eyes see the world differently.

1 BEFORE YOU START - DR LUMA ASKS

Cover your left eye. Look at a pencil across the room. Now cover your right eye instead. Does the pencil move?

☐ Yes, it shifted

☐ No, it stayed put

2 PUT ON THE GLASSES AND OPEN THE 3D CARD

Without the glasses I saw: _____

With the glasses I saw: _____

3 PIXEL'S QUESTION

How do two flat pictures make something look like it is popping out?

4 DR LUMA'S SCIENCE SECRET

Each eye sees the world from a slightly different angle. Your brain combines the two pictures to sense depth. That is STEREOSCOPIC VISION. 3D films work the same way - the glasses send a different picture to each eye.

5 AGENT CHALLENGE

Close one eye and try to touch the tip of a pen with your finger.

Tries with one eye: _____ Tries with both eyes: _____

Why is it easier with two eyes? _____

Difficulty: 

Fun: 

SIGNED BY AGENT

Name: _____ Date: _____