Science Adventures with the









Sciences Adventures with the Thunderbolt Kids

Grade 4

by Siyavula and the Shuttleworth Foundation

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ATTRIBUTION

The Thunderbolt Kids characters and graphical stories in this book were developed as part of the Kususa project (www.kusasa.org), initiated and funded by the Shuttleworth Foundation (www.shuttleworthfoundation.org/). This project aimed to develop analytical and creative thinking in Grade 4,5 and 6 learners through the use of character role models, experiments, simple computer modelling and carefully-sequenced lesson plans. The characters and stories were used with the permission of the Shuttleworth Foundation in these science adventures and the related Grade 4-6 Natural Science and Technology workbooks.

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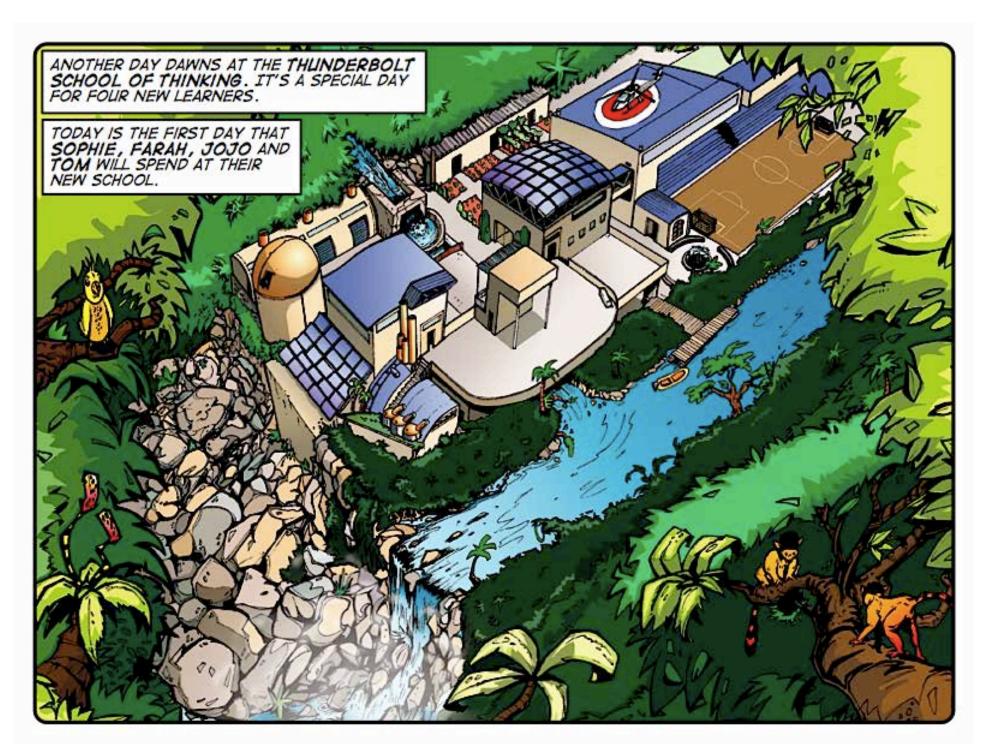
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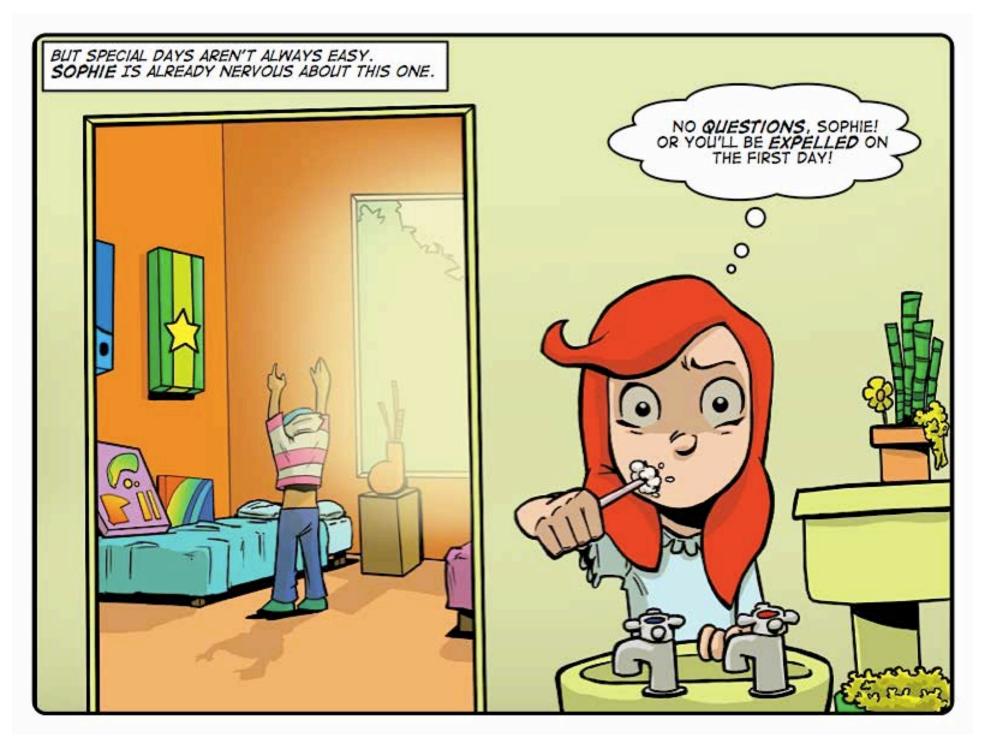
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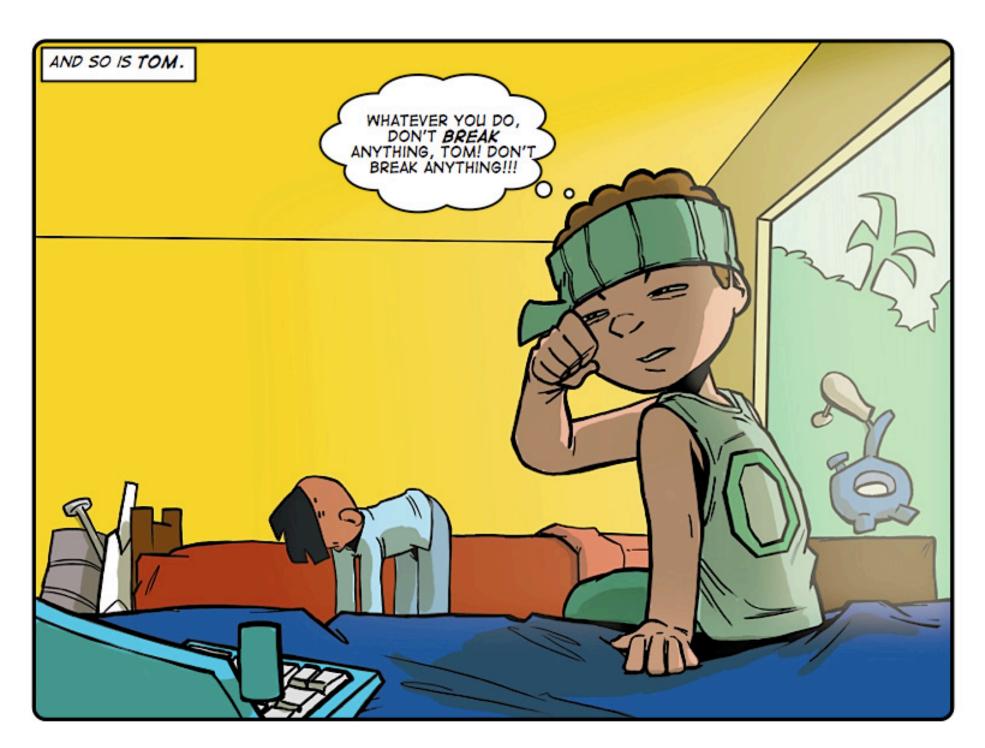


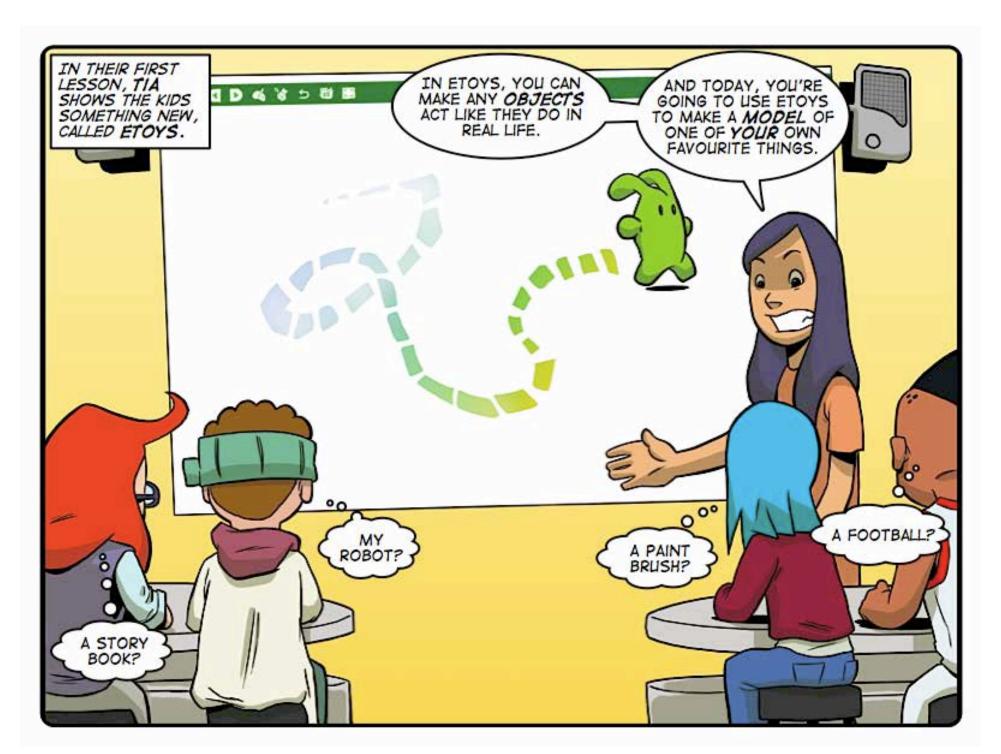


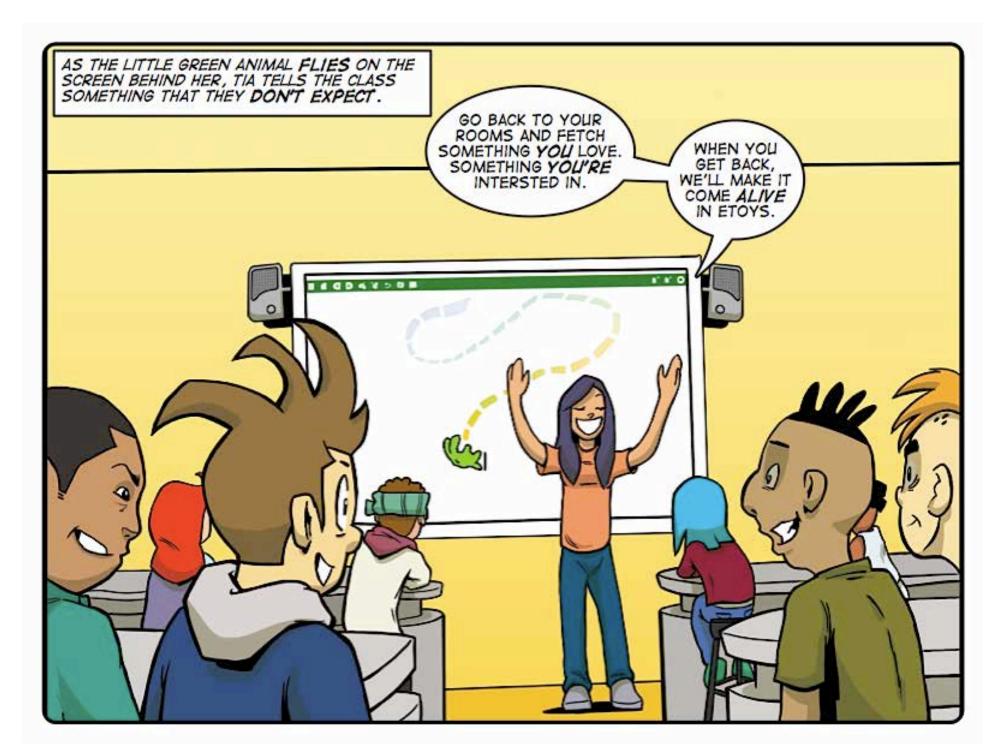


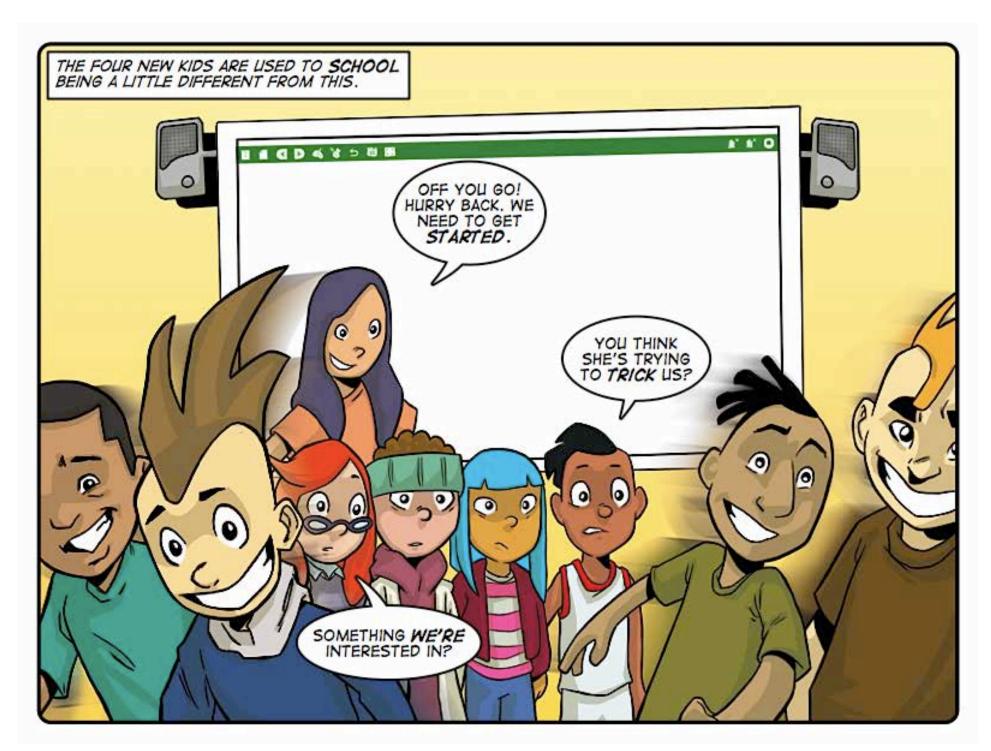


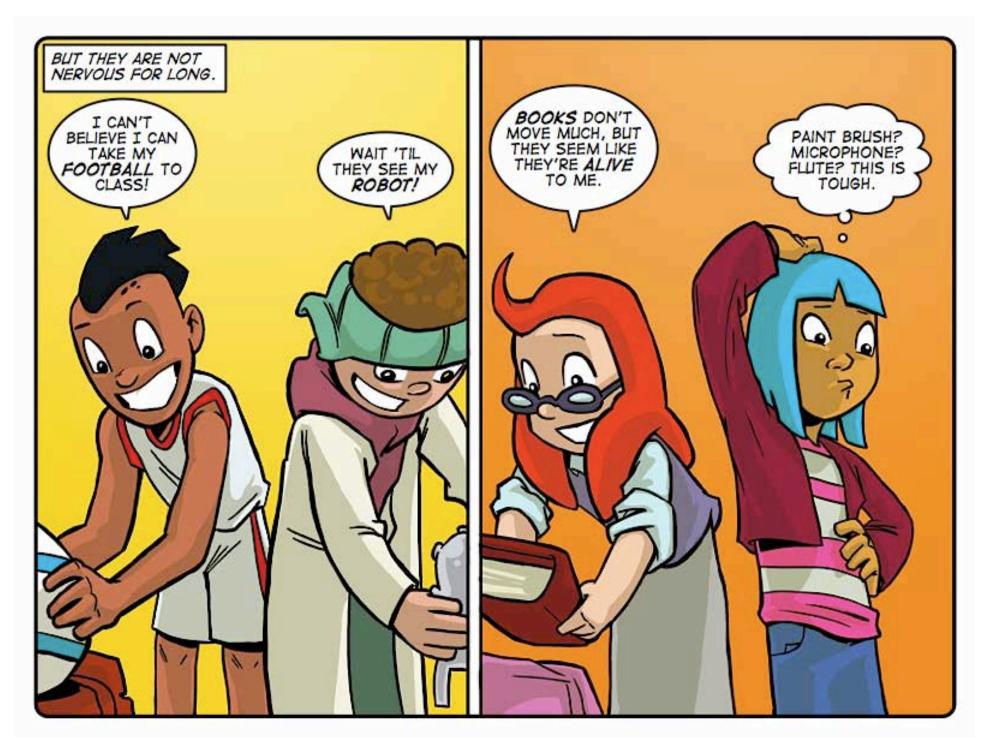










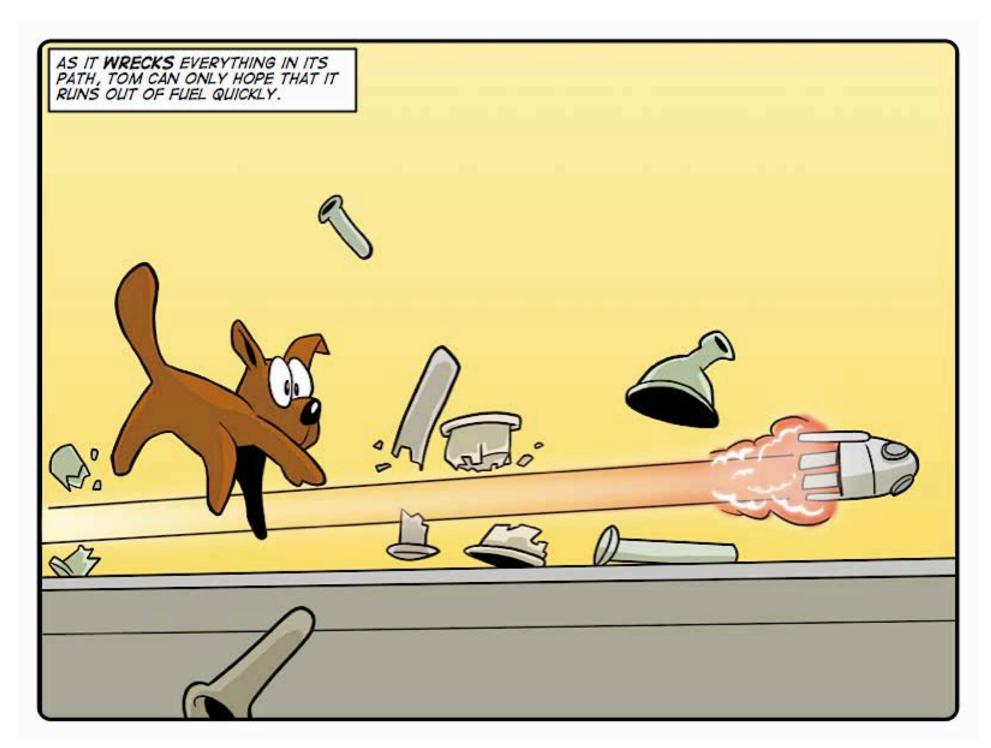


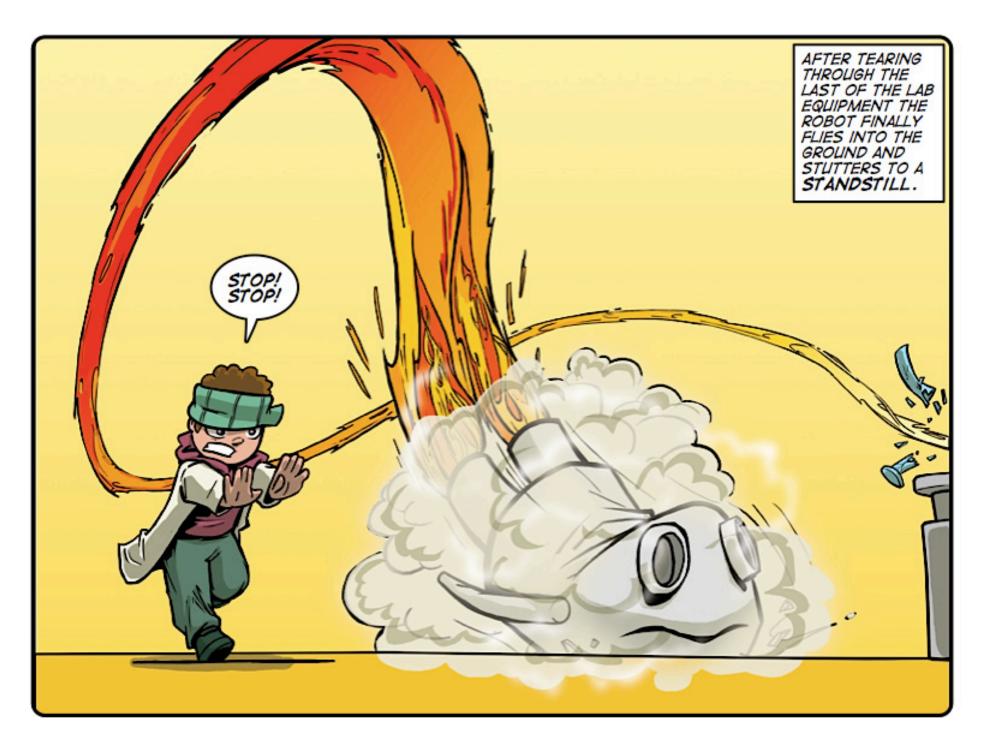


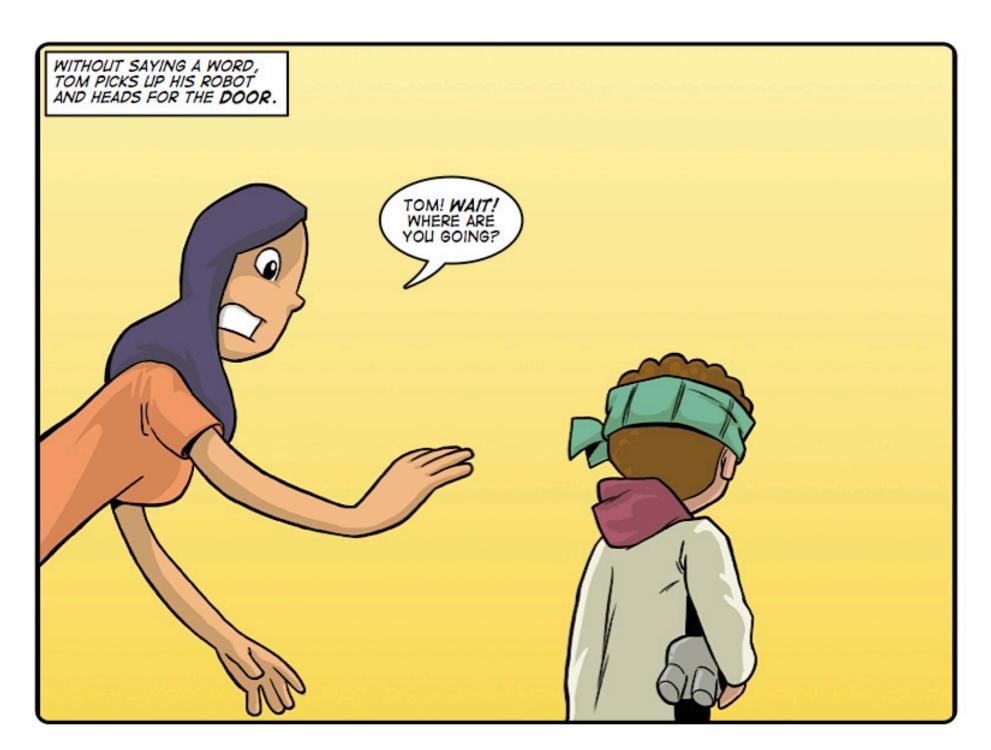


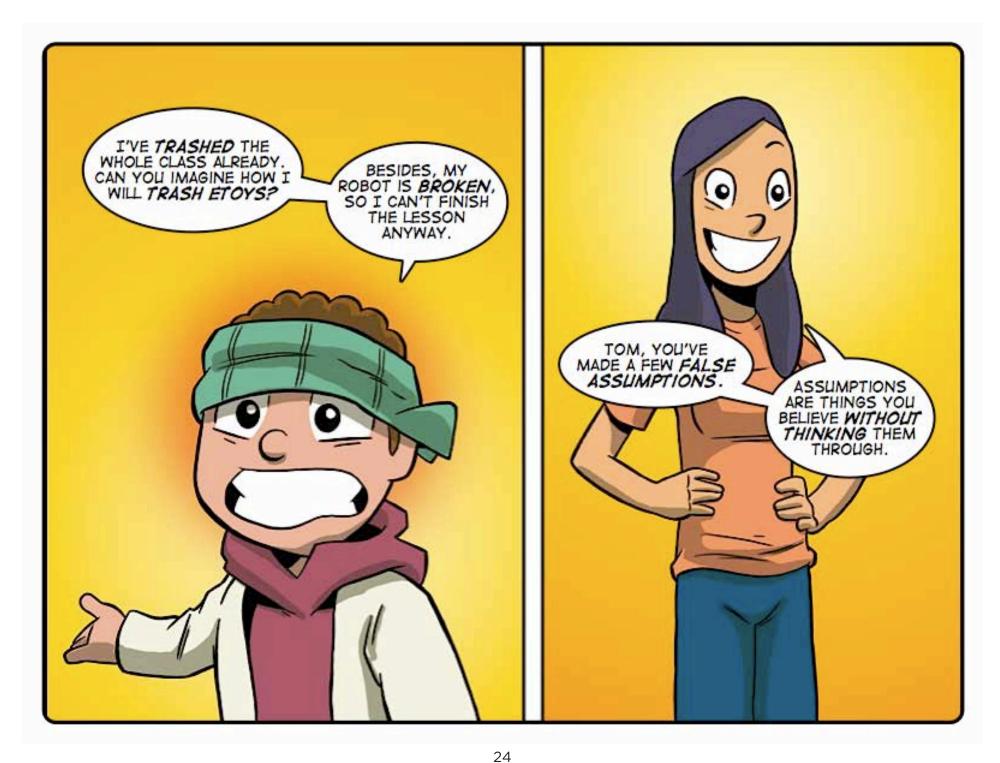


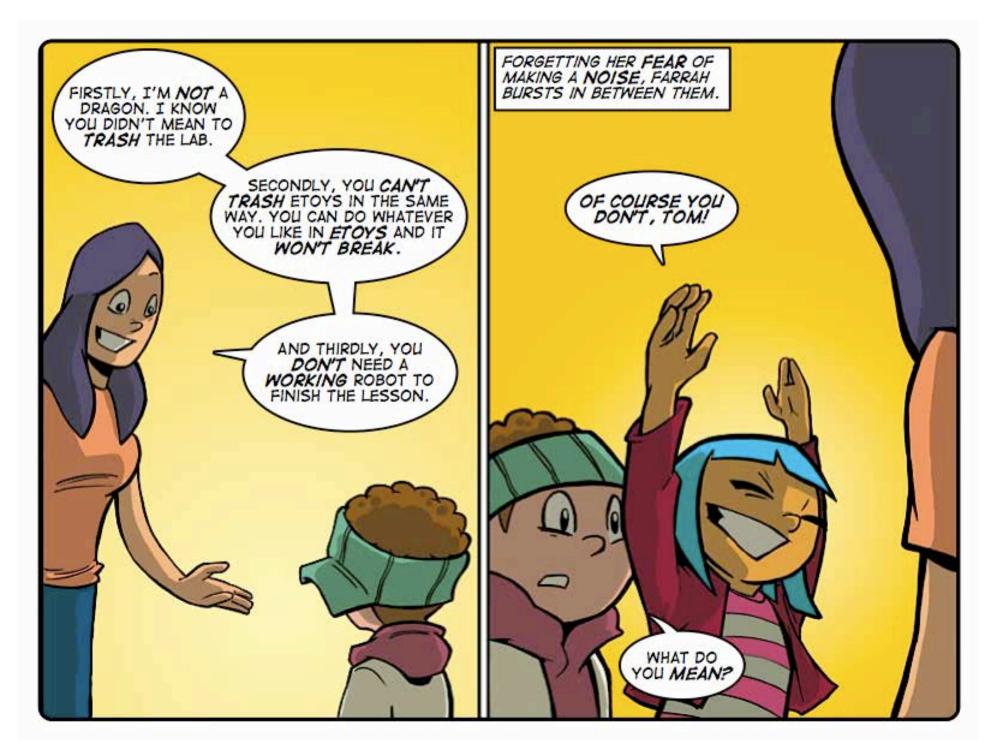




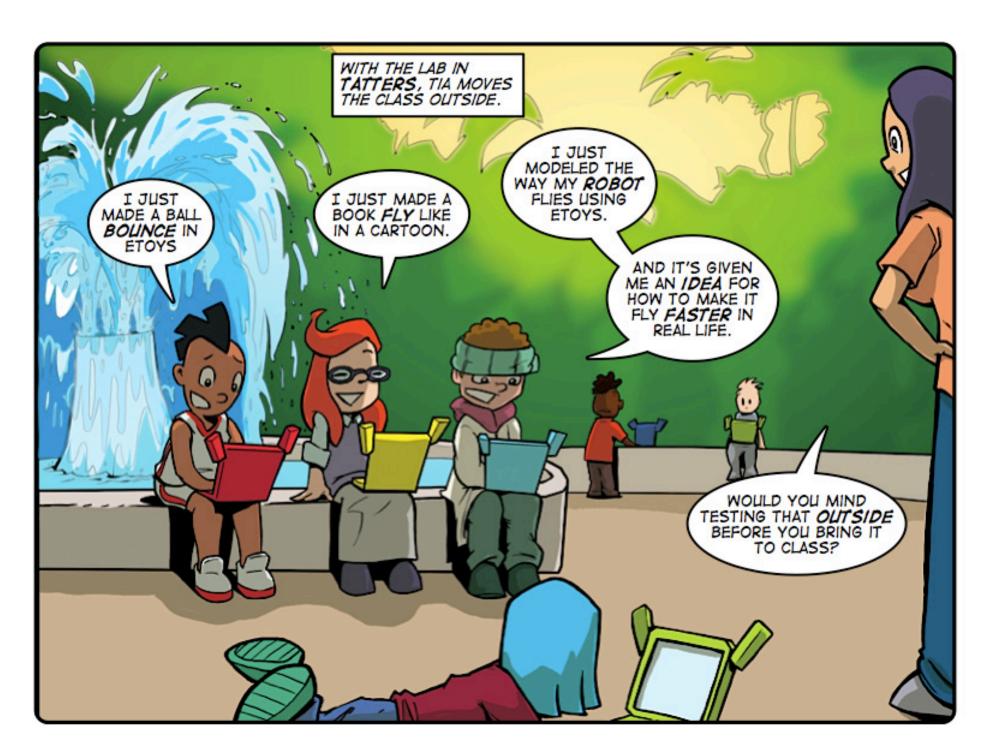


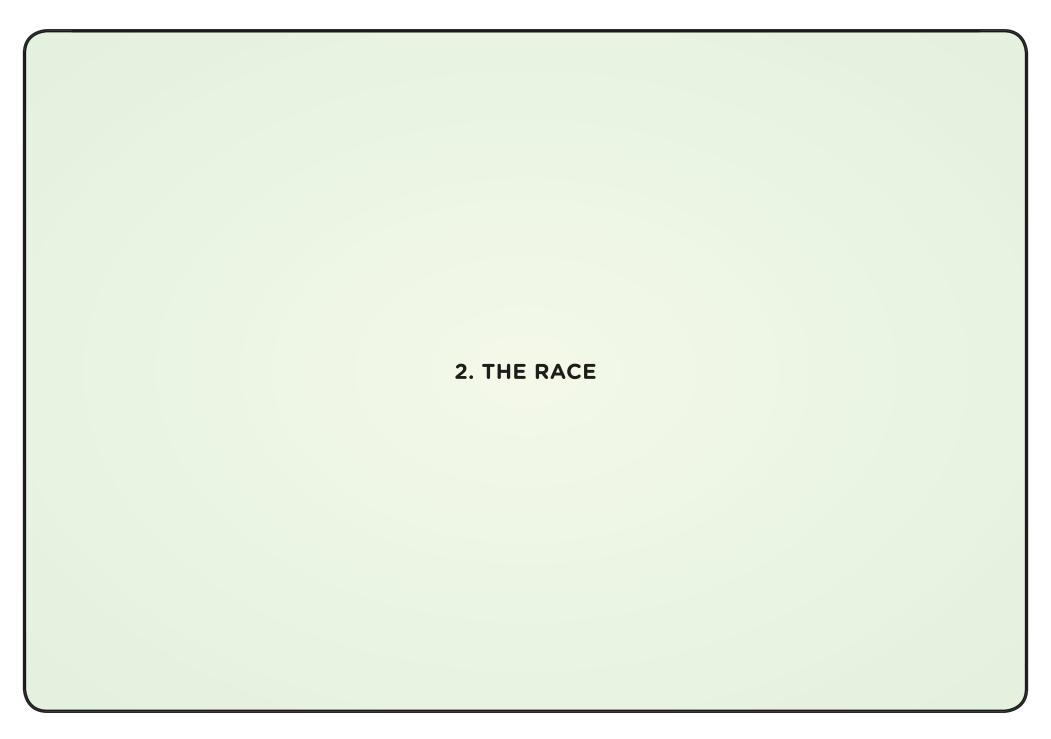


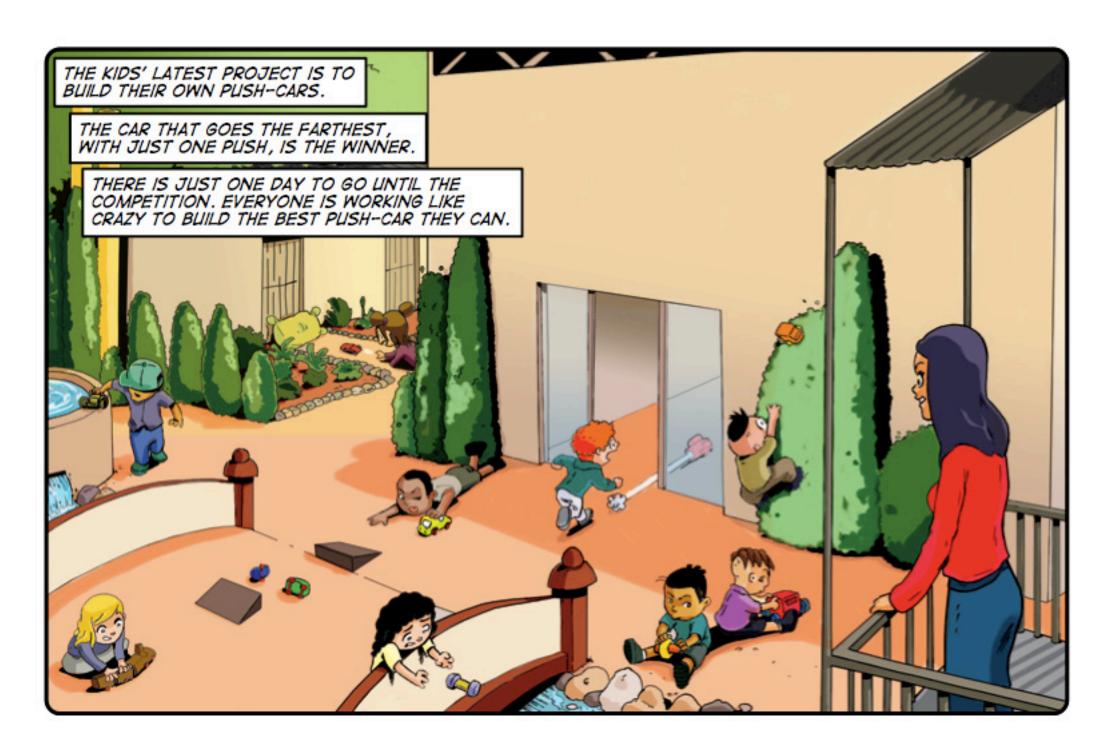






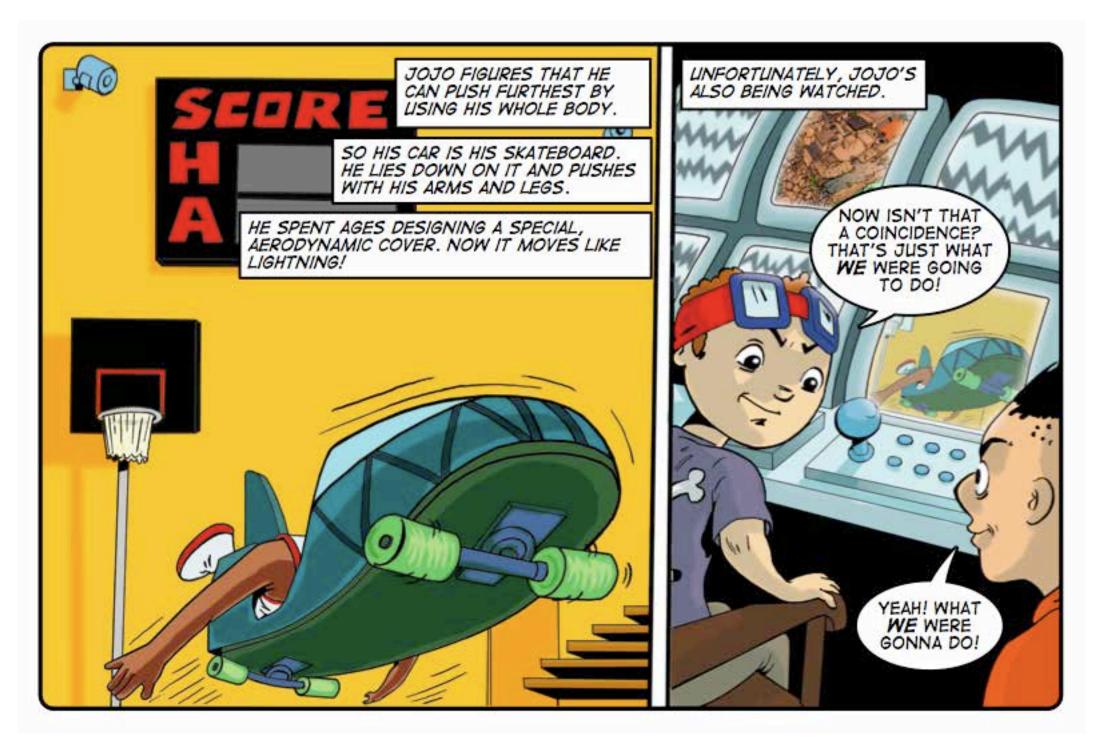


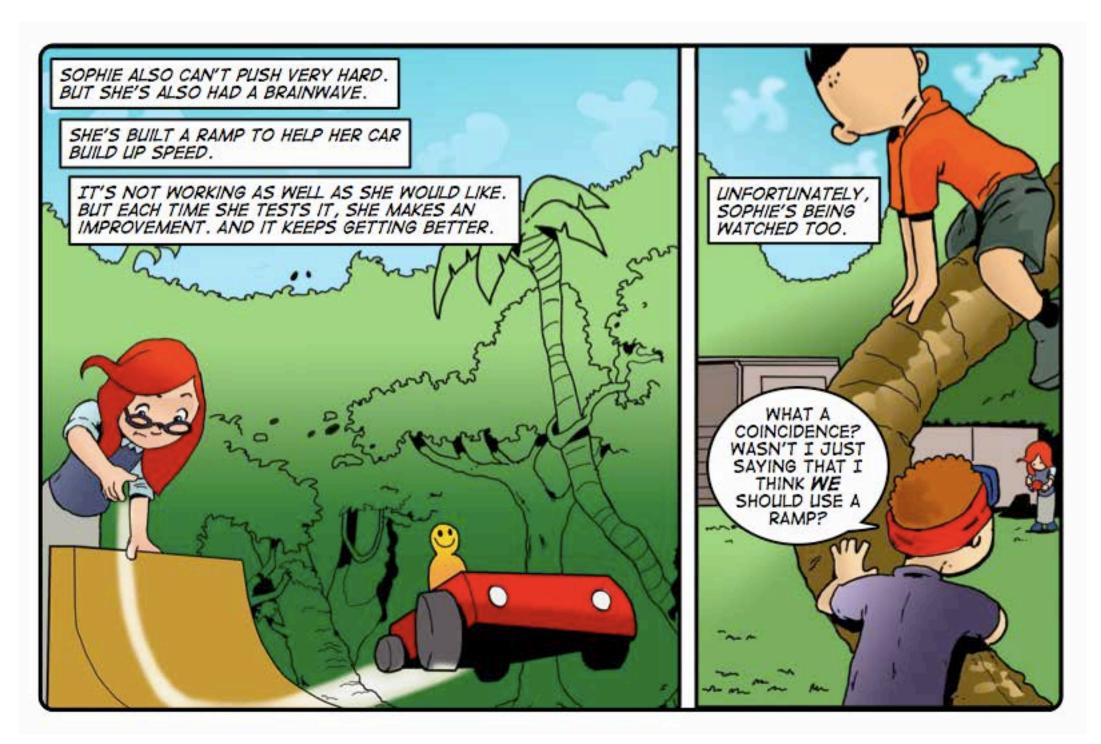


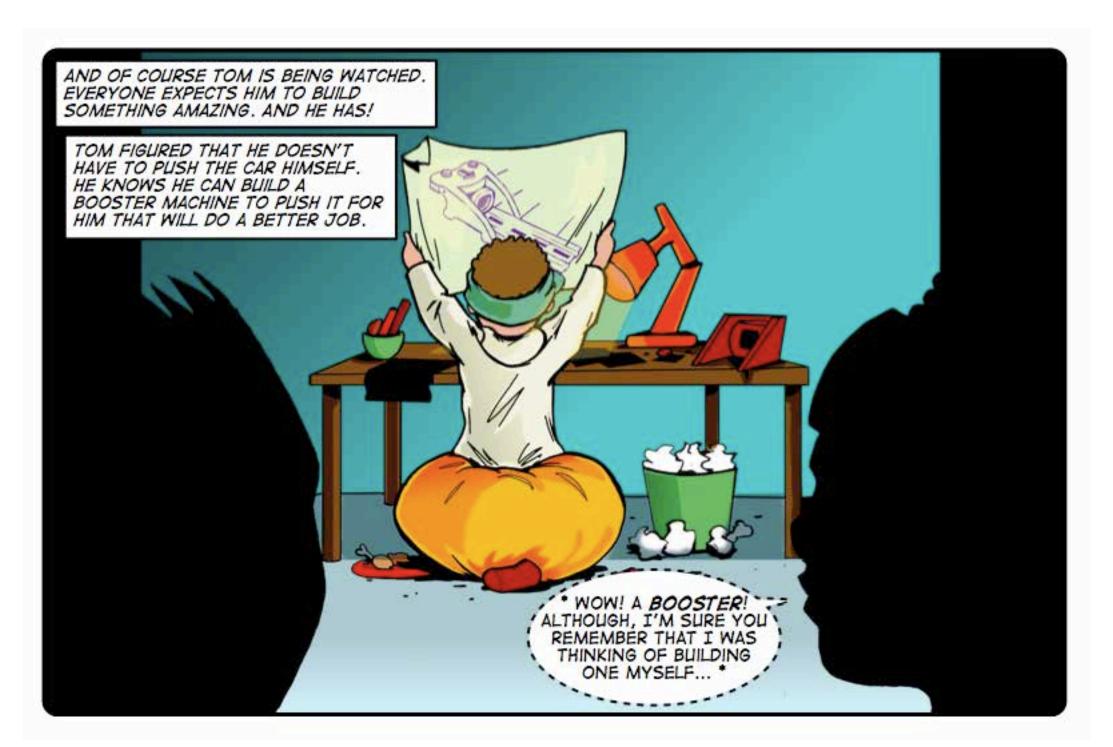


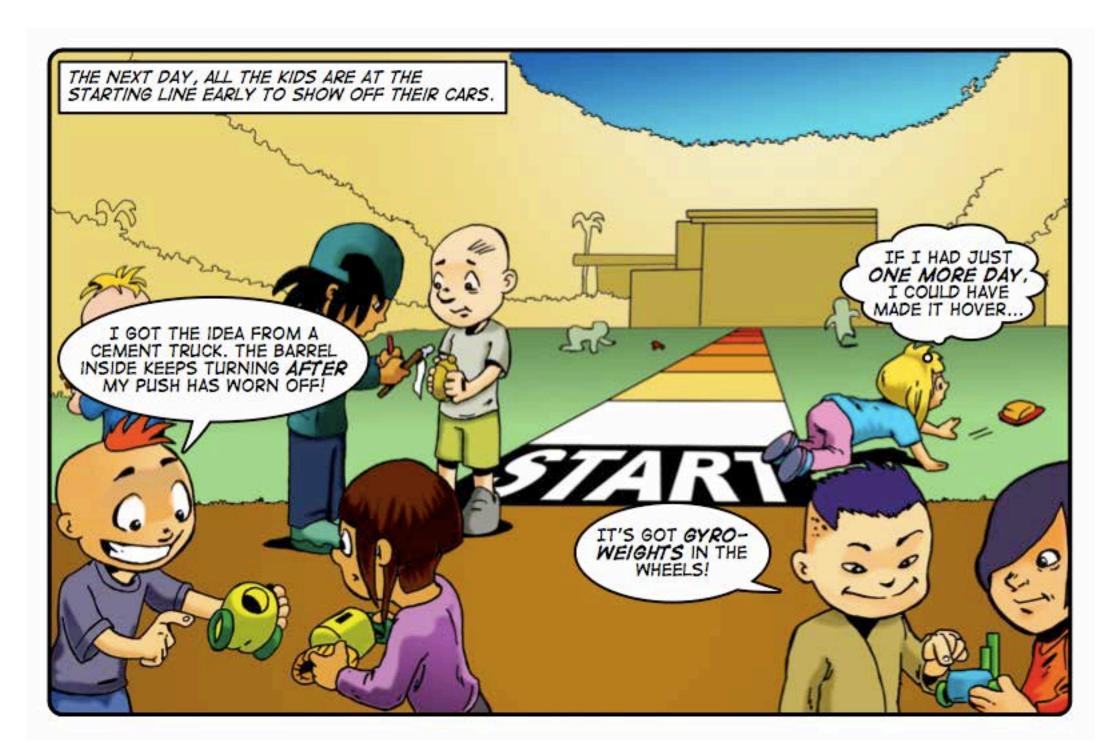










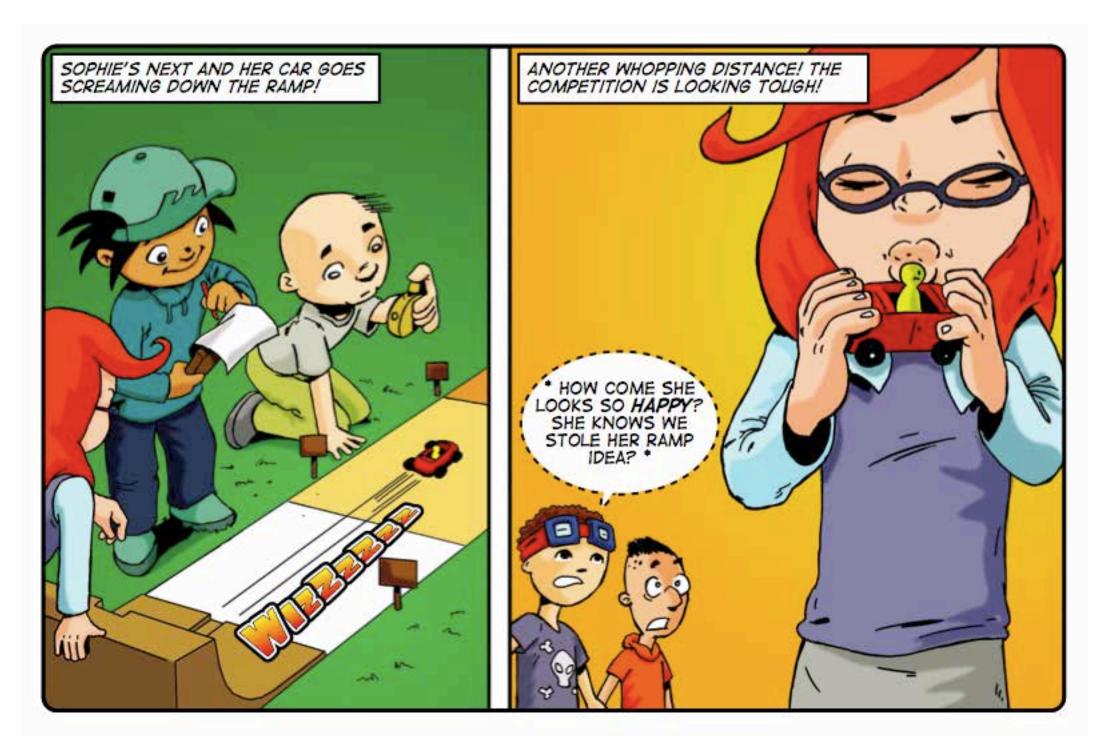




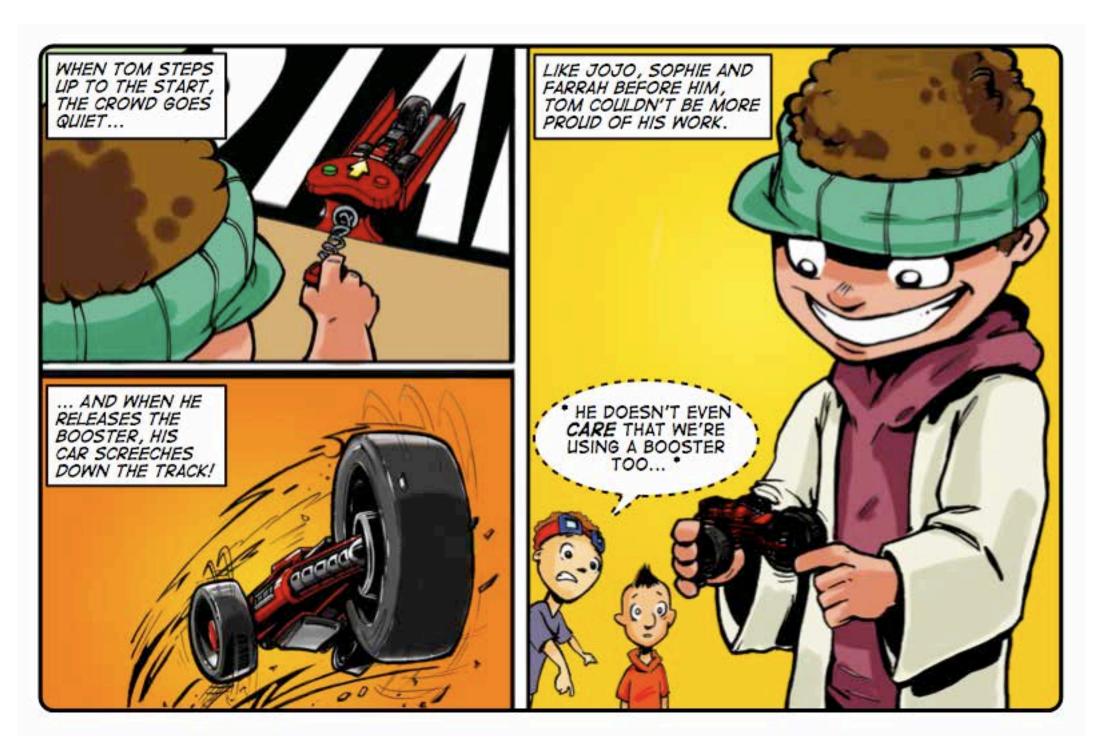


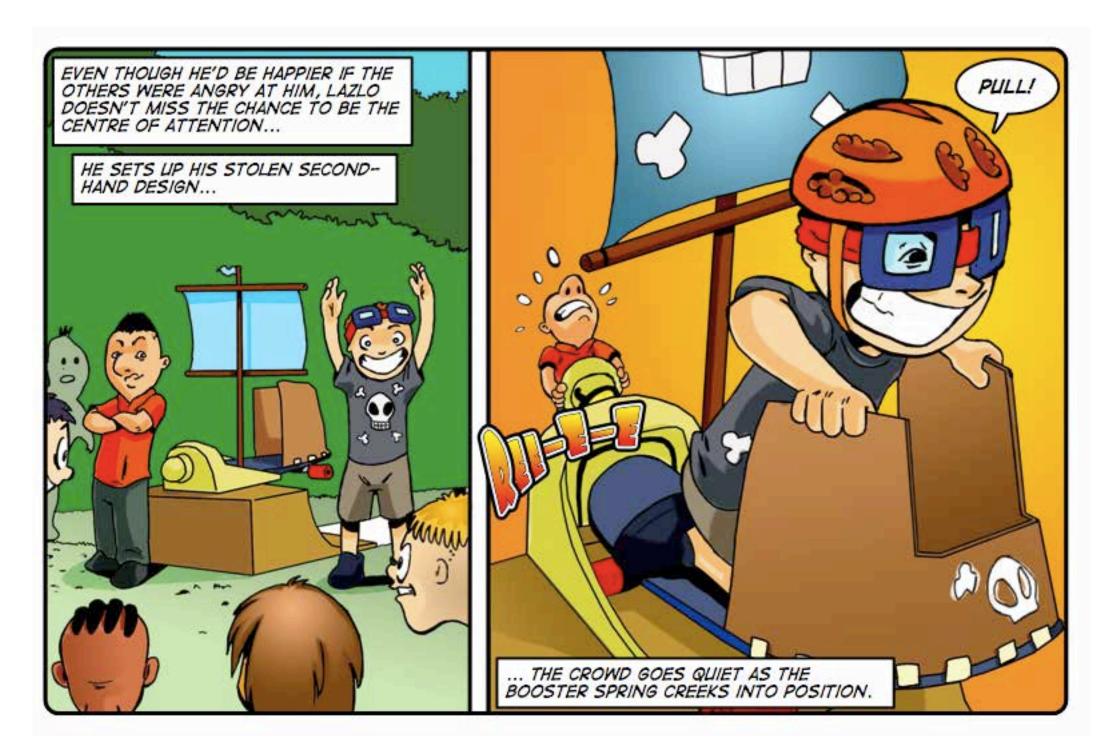


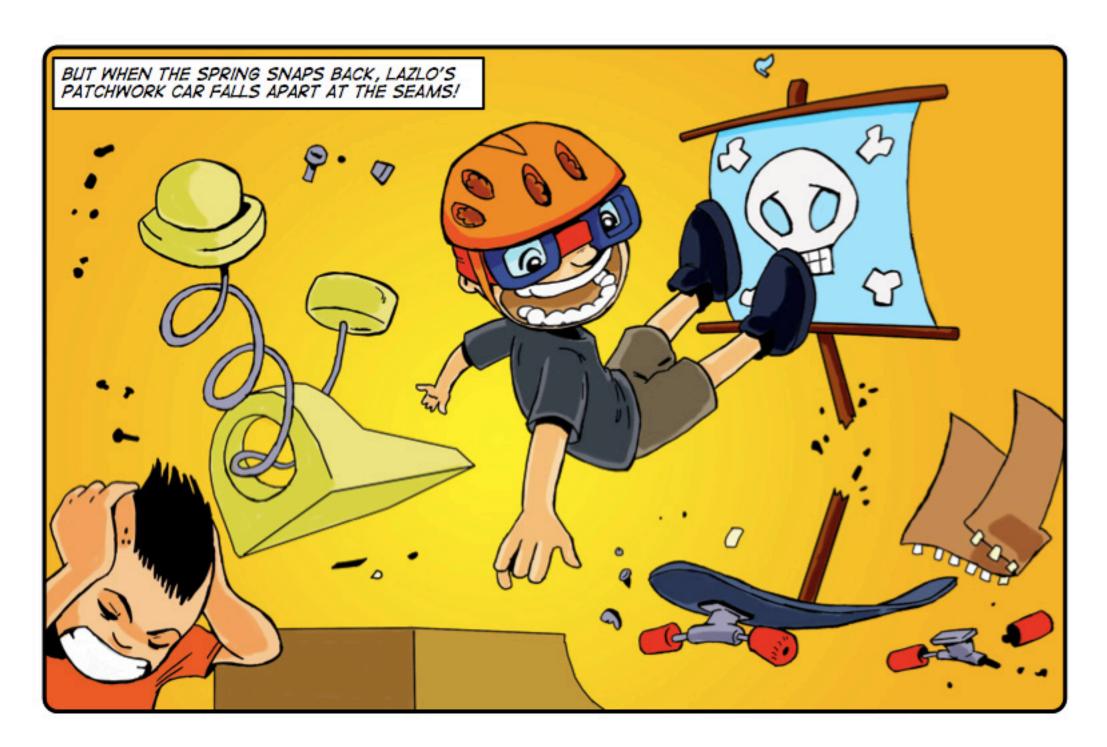




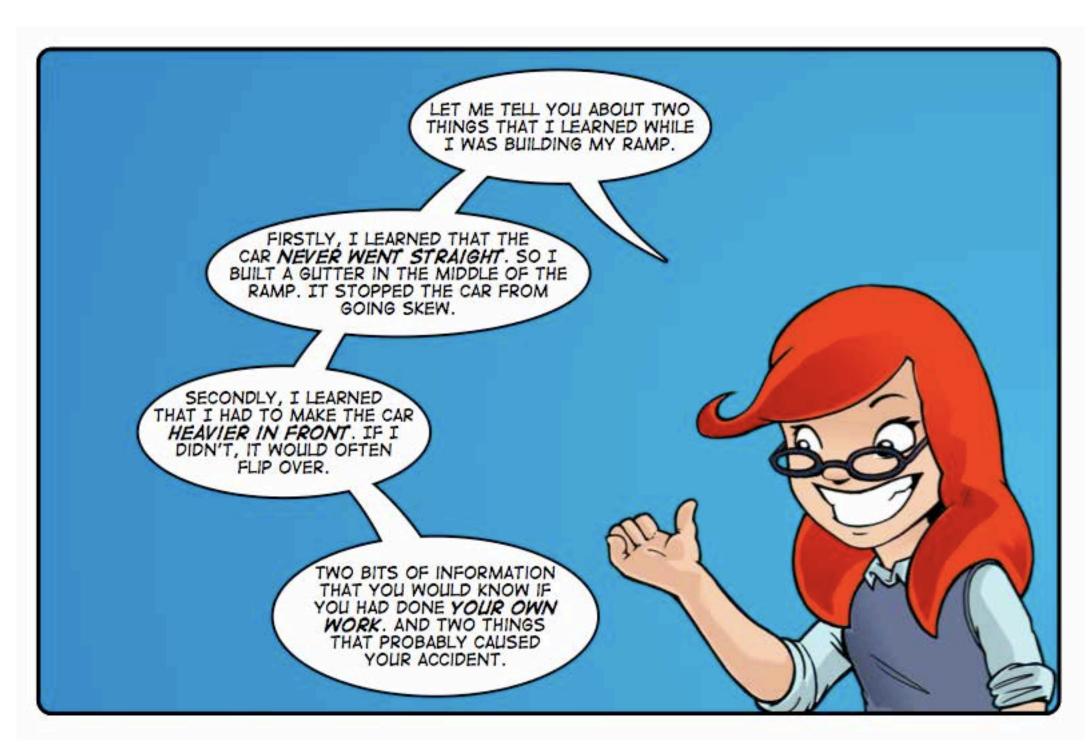




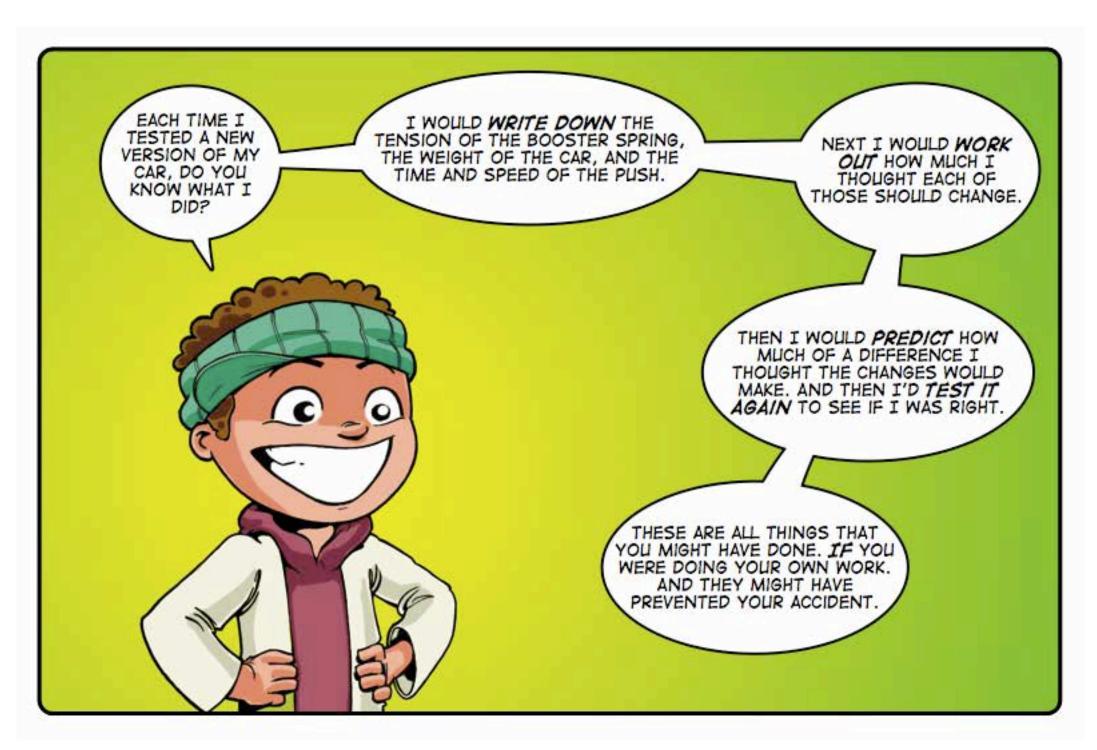








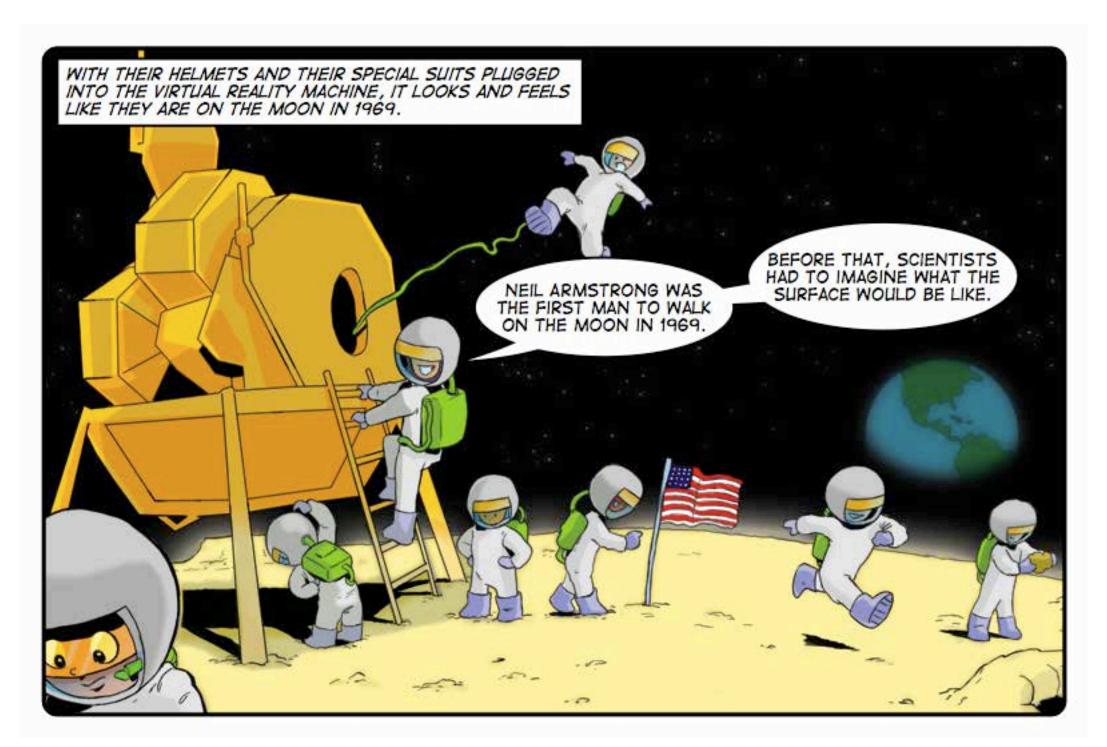




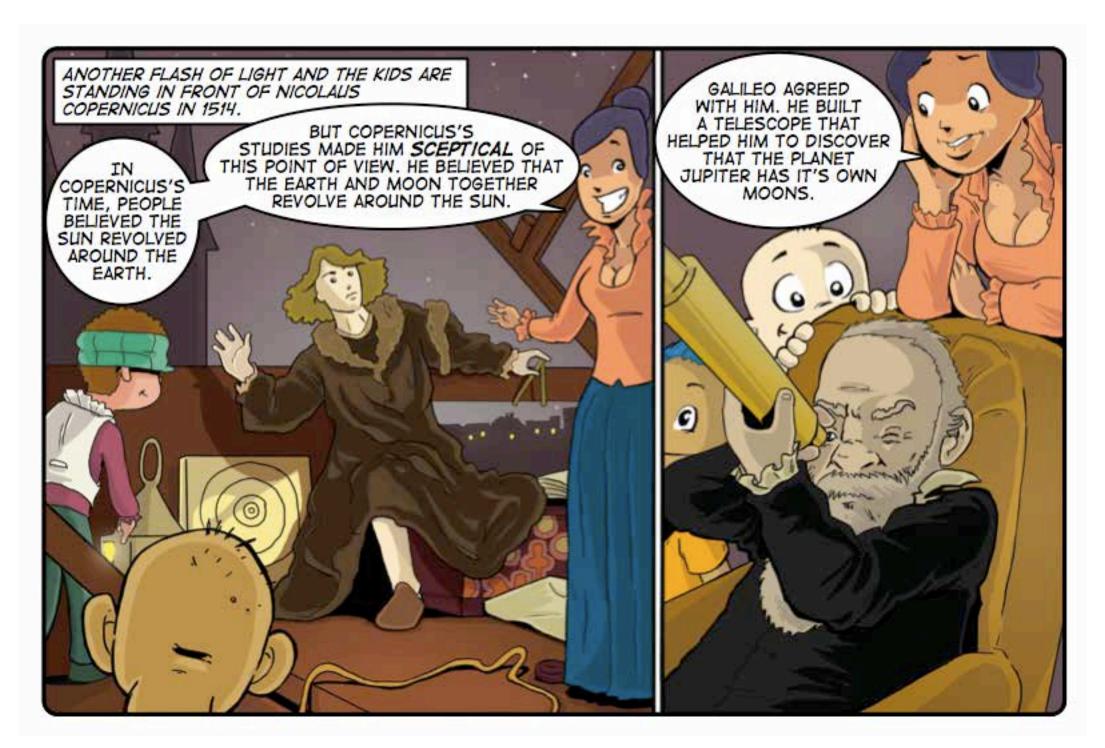


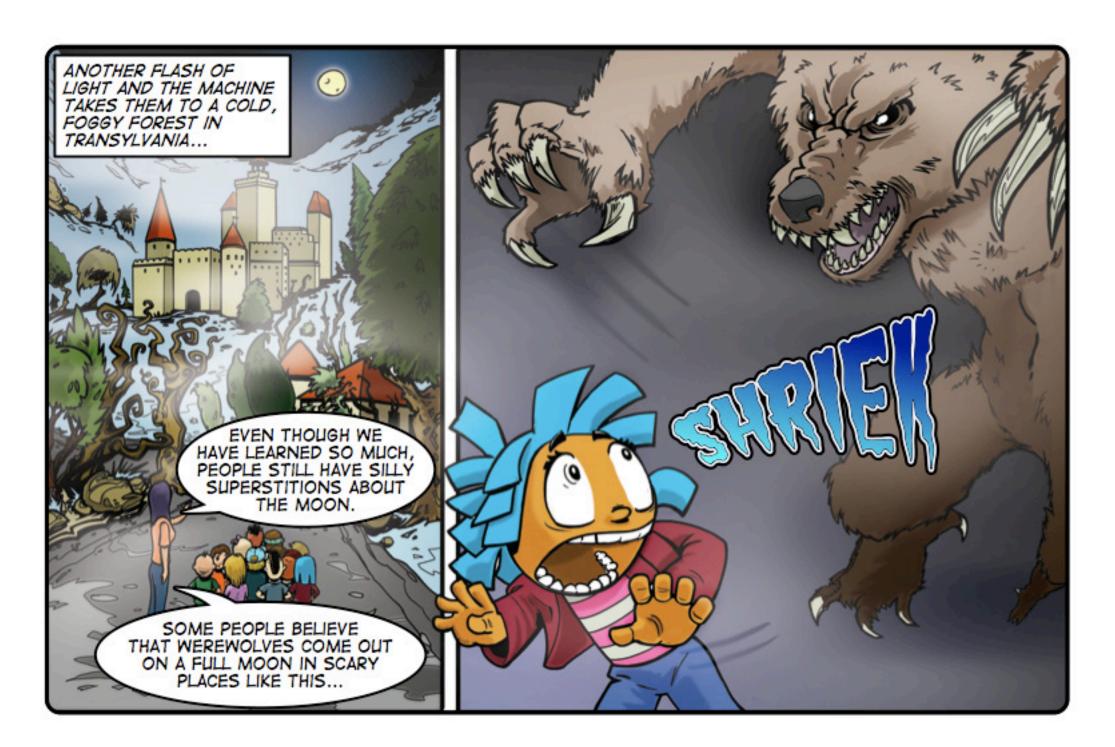


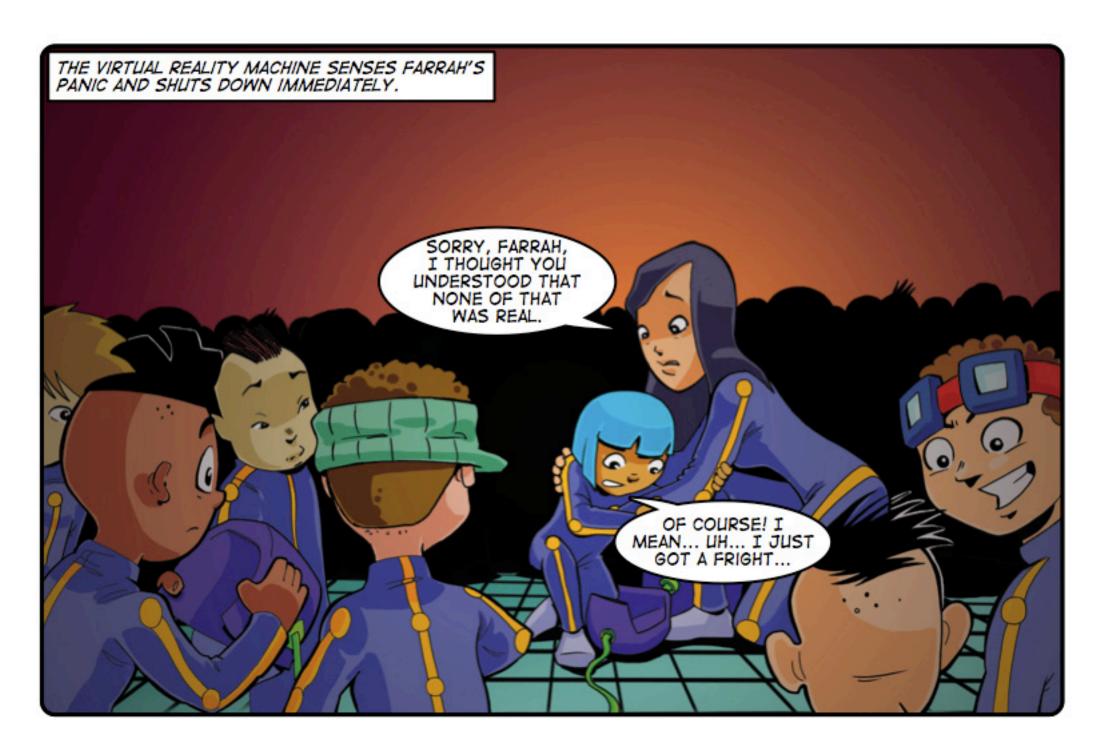










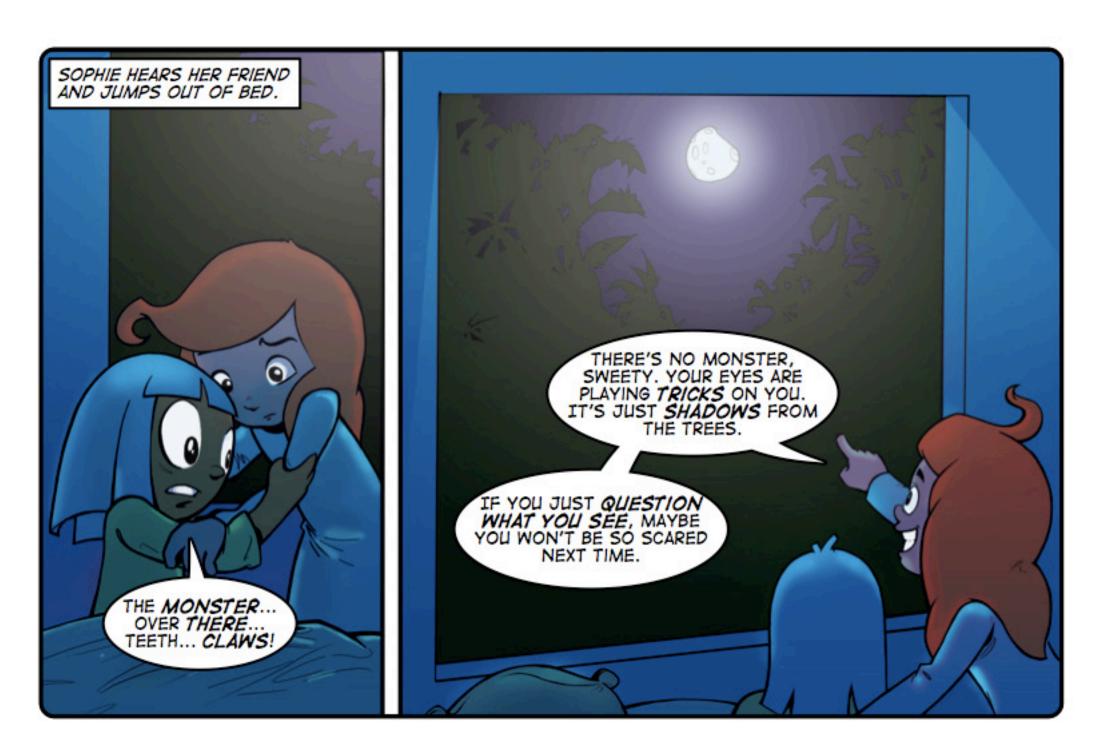


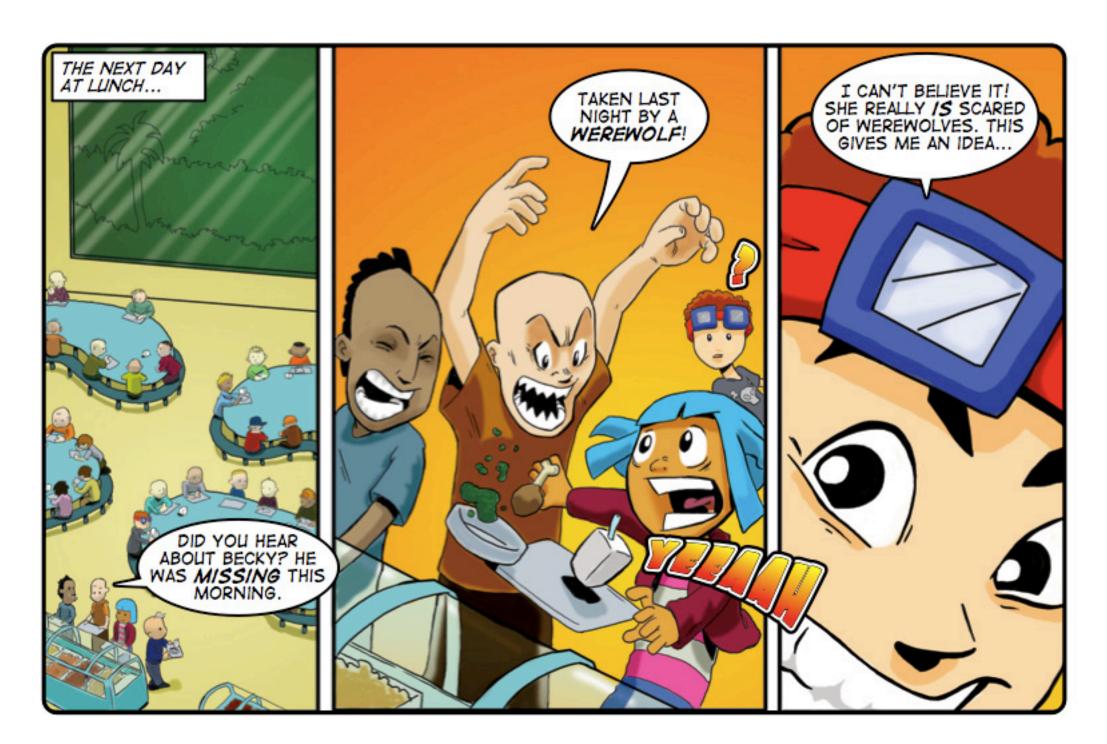




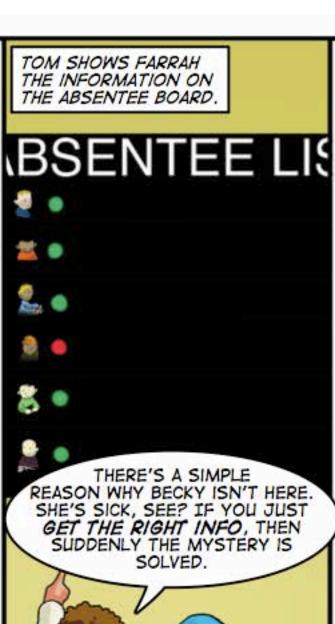










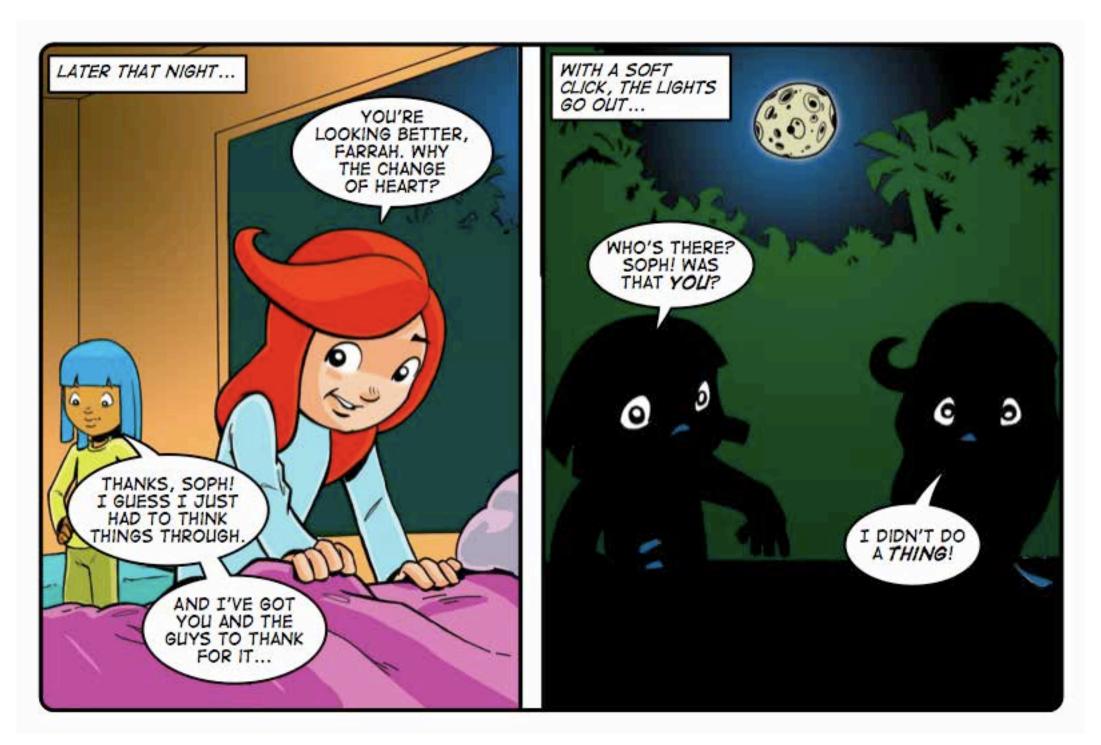




















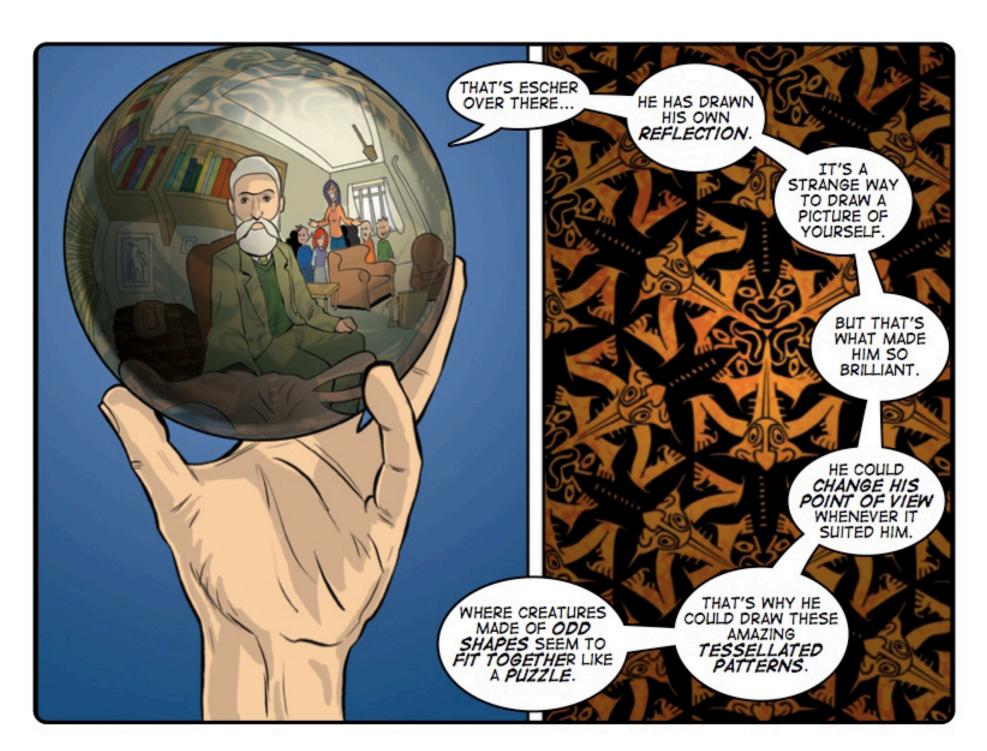




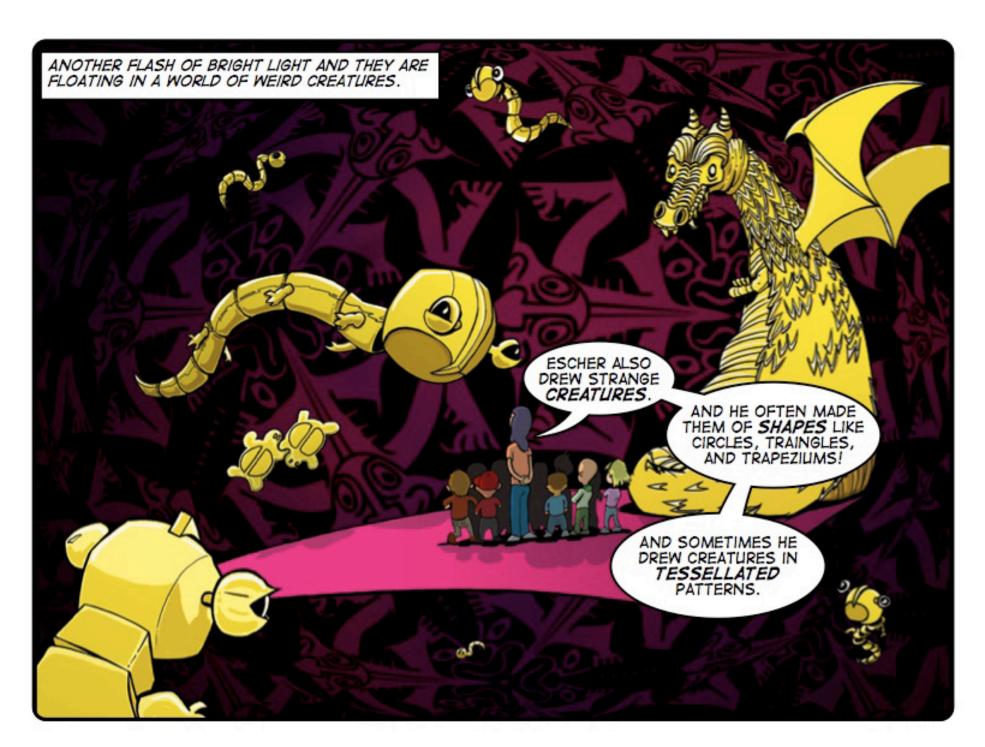


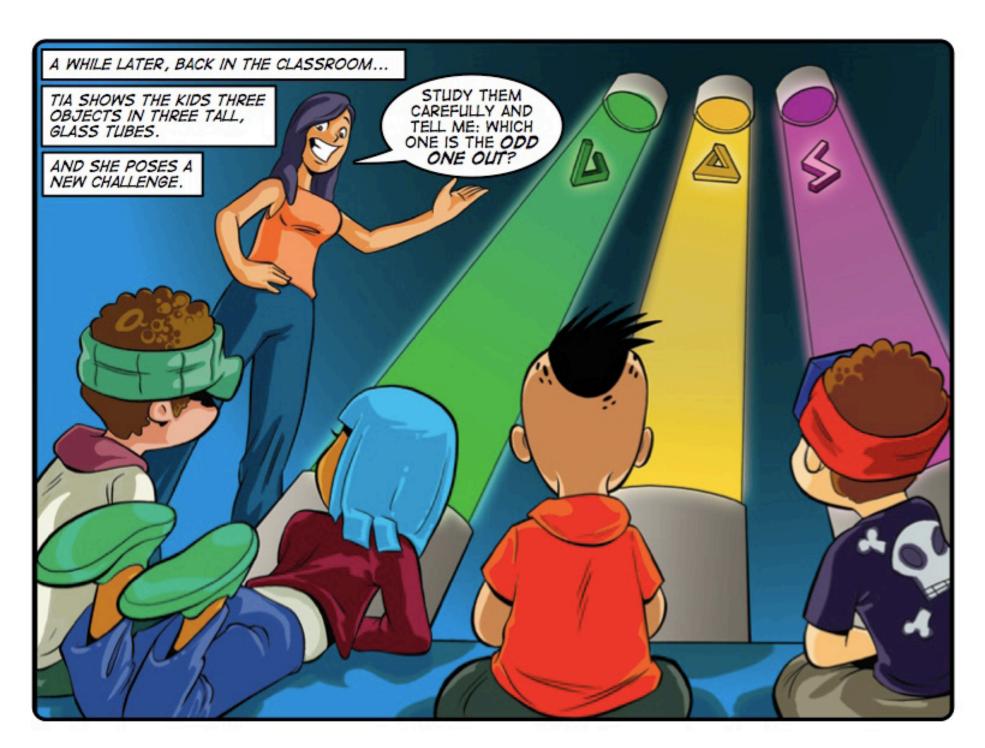




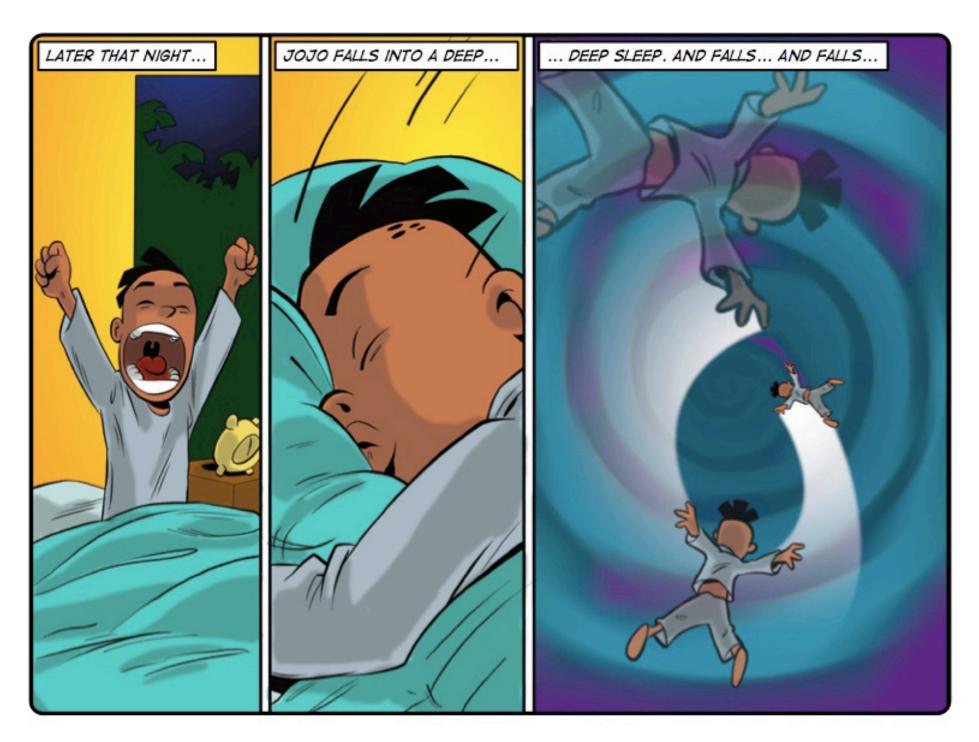




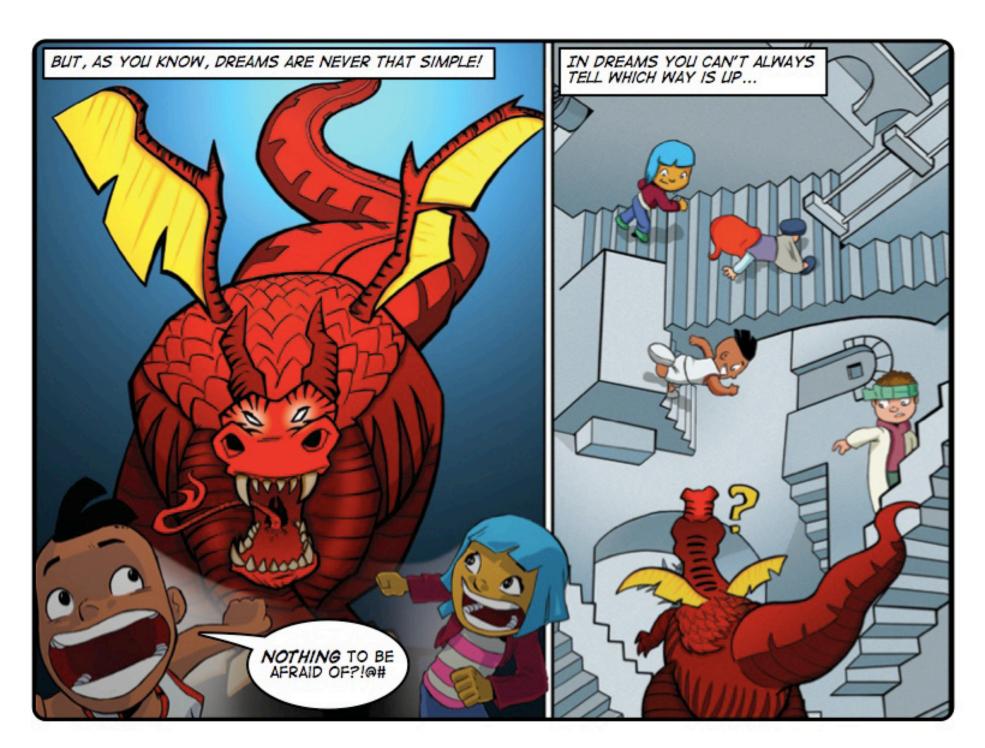




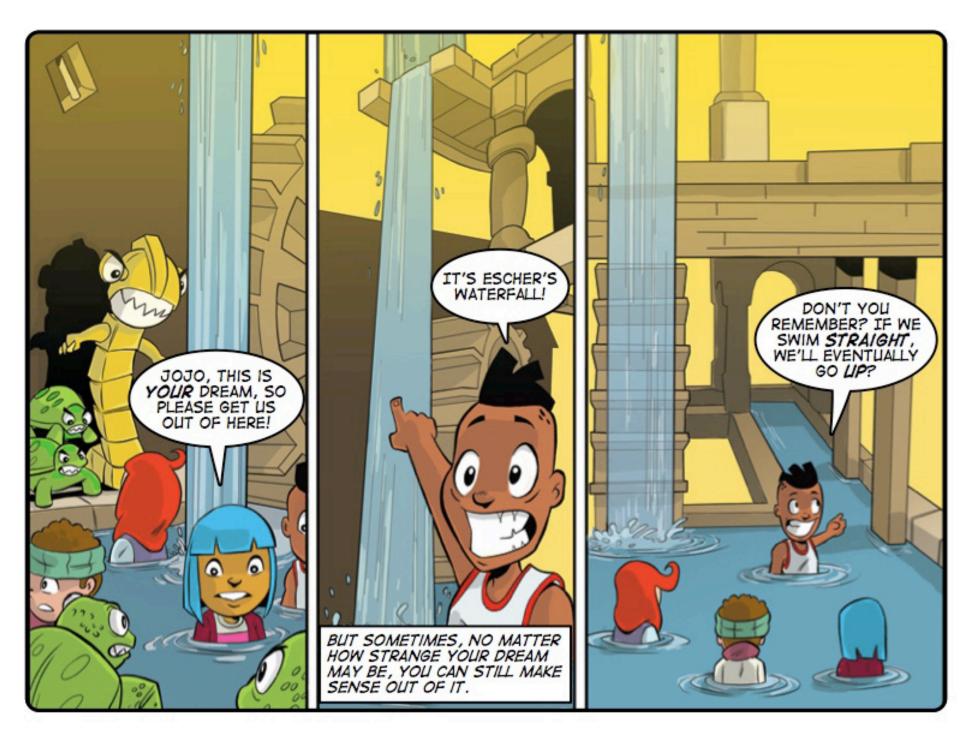


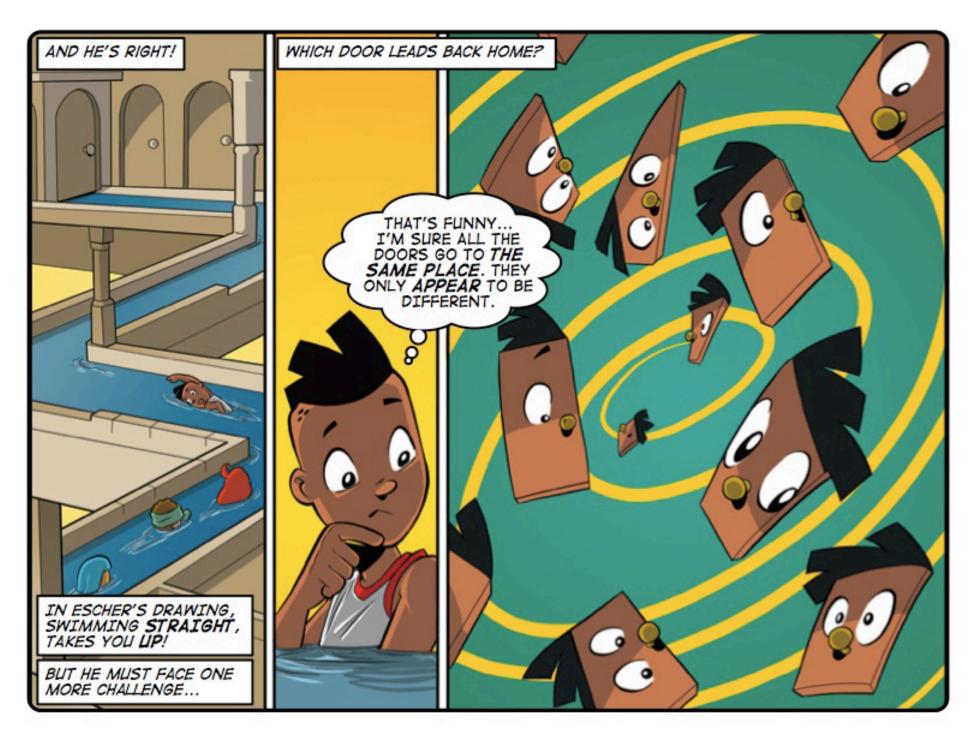




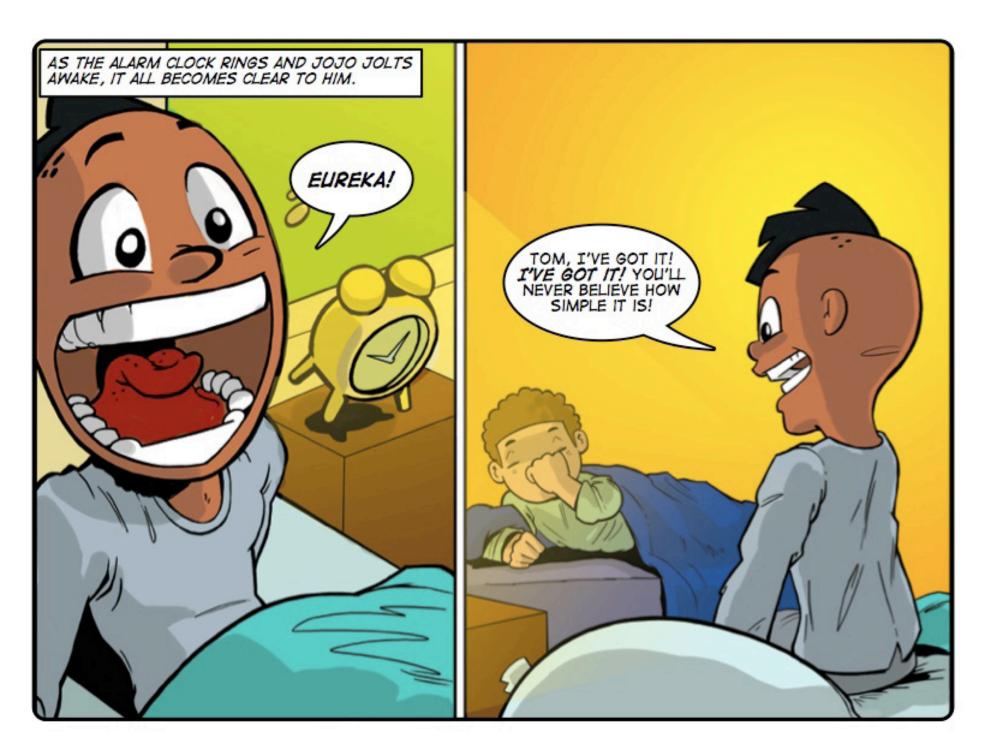


























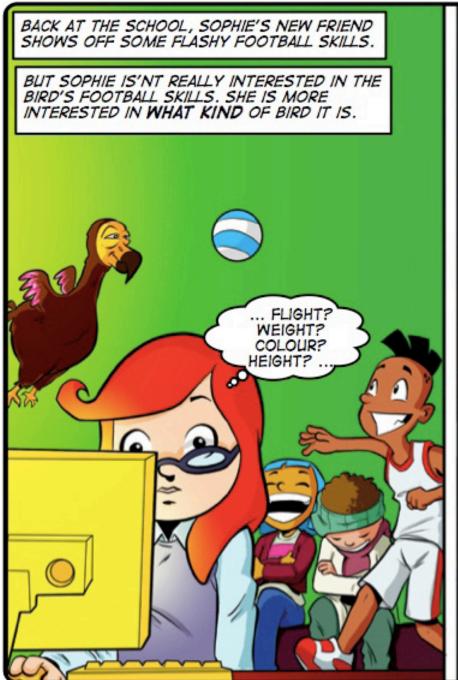






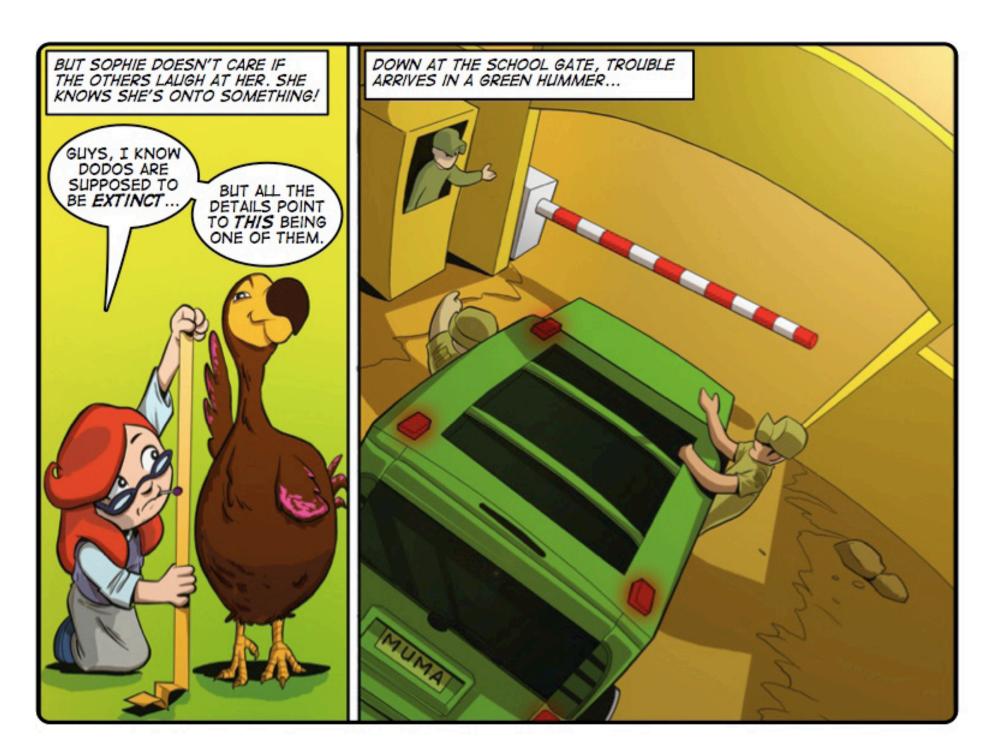


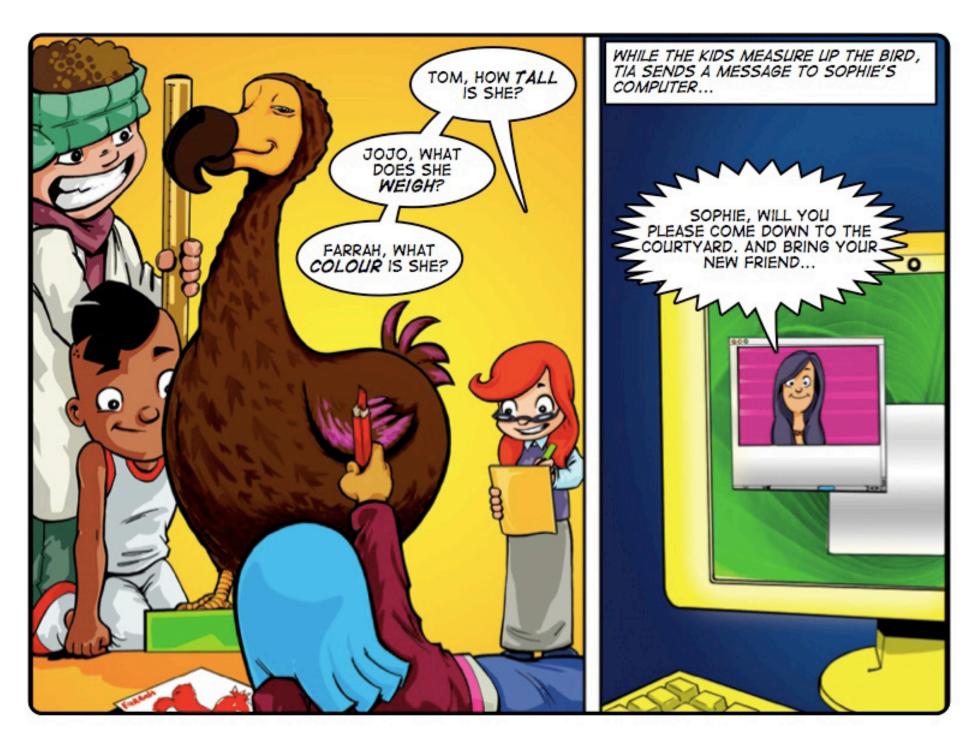








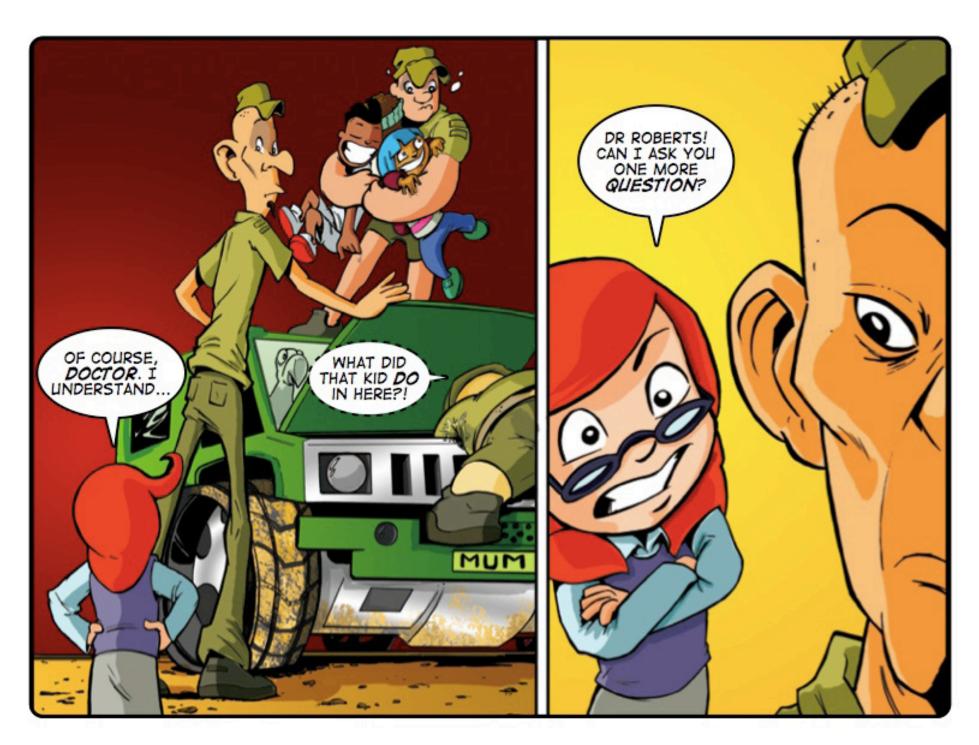






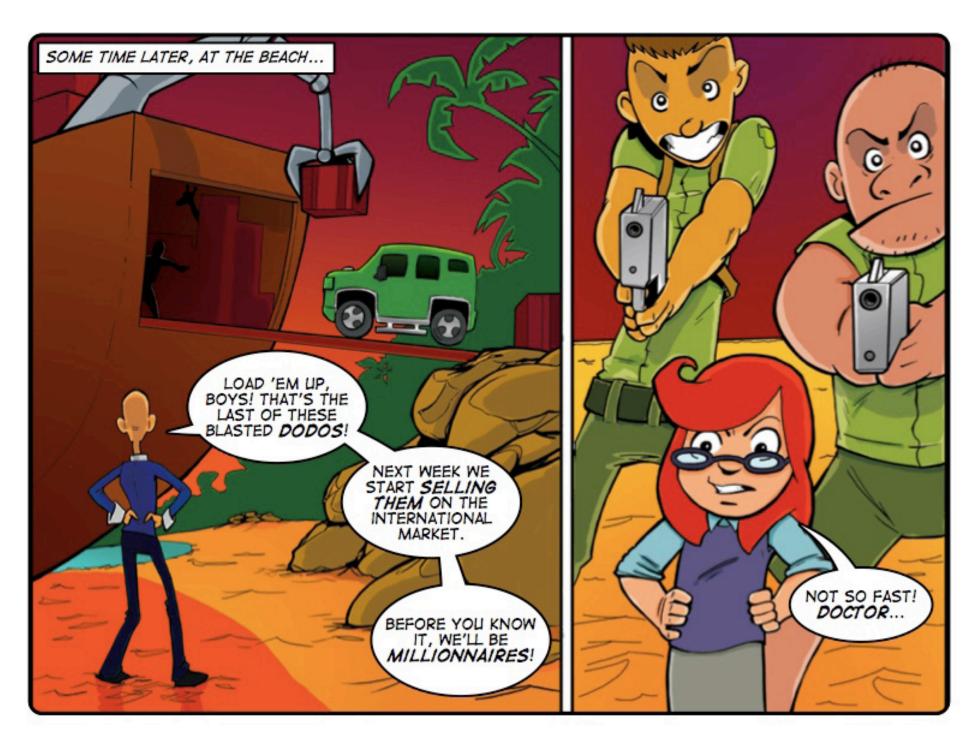








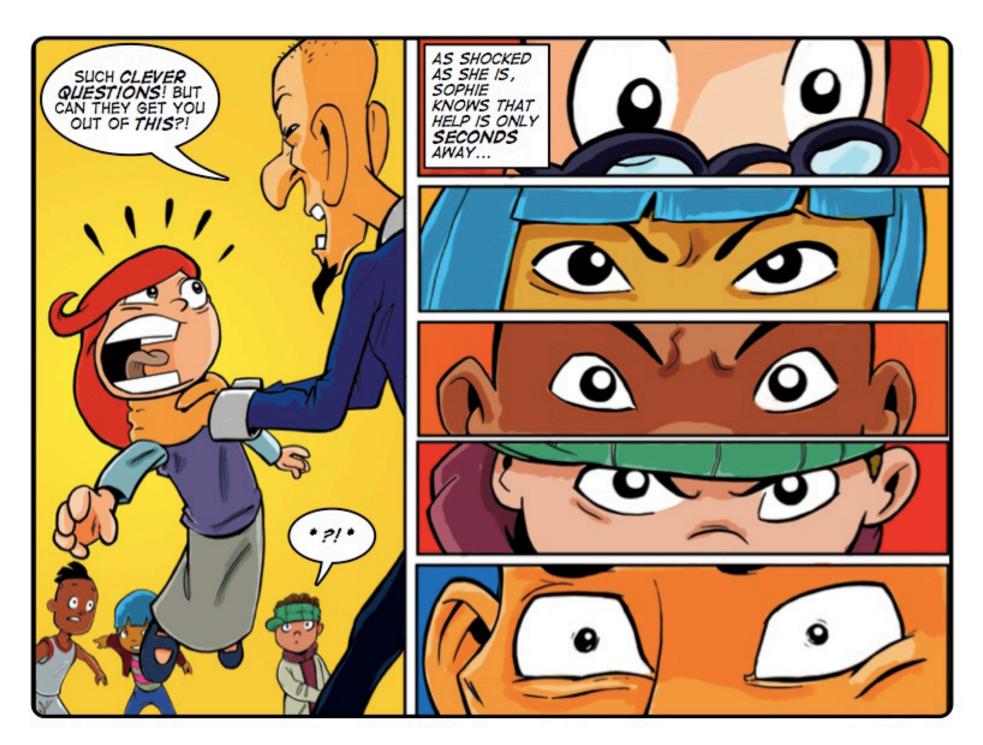




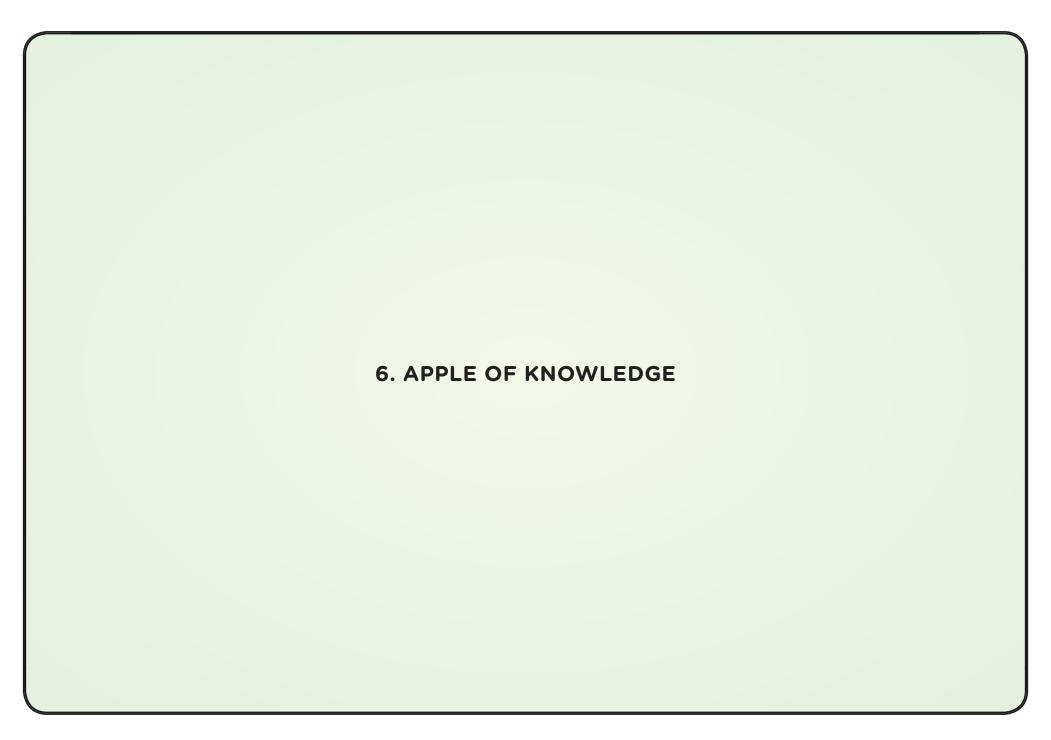


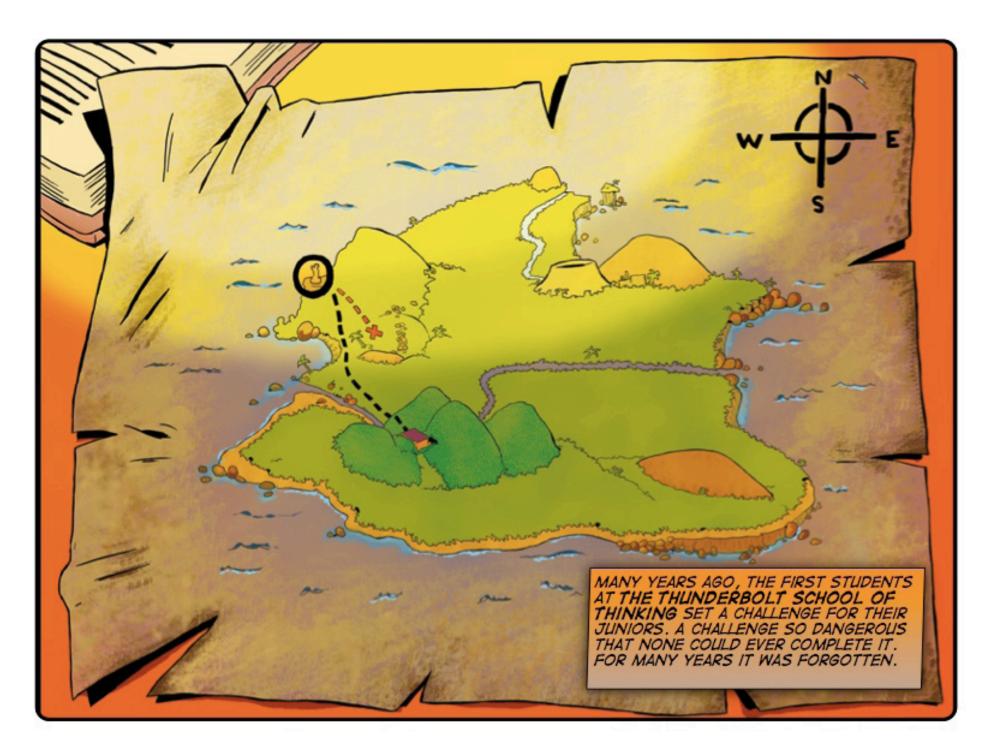


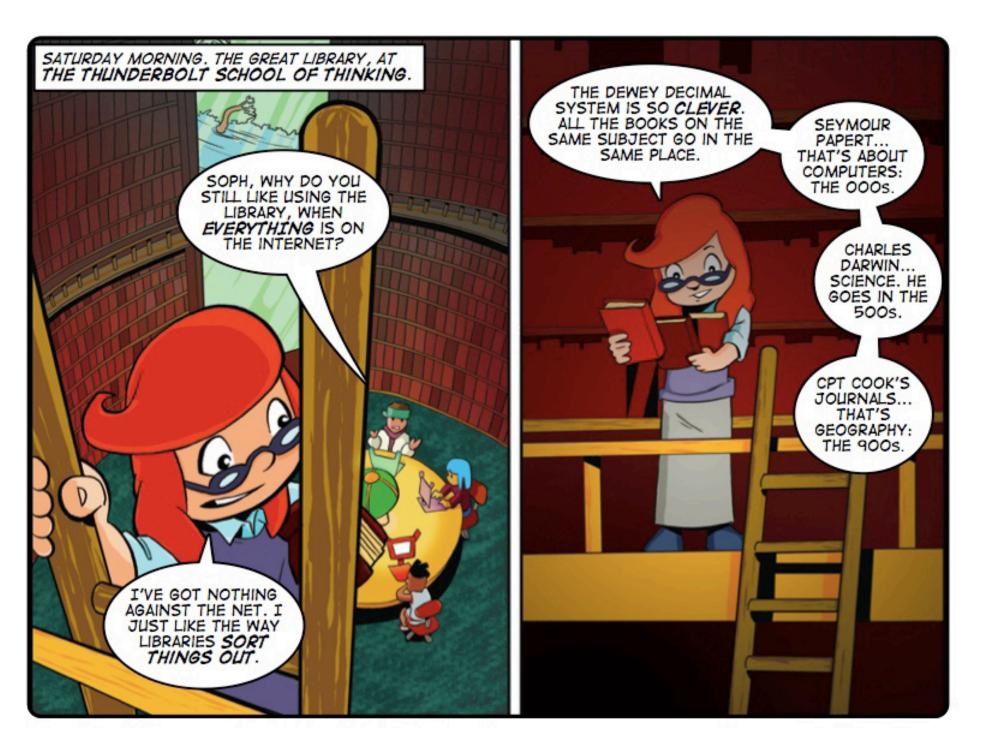


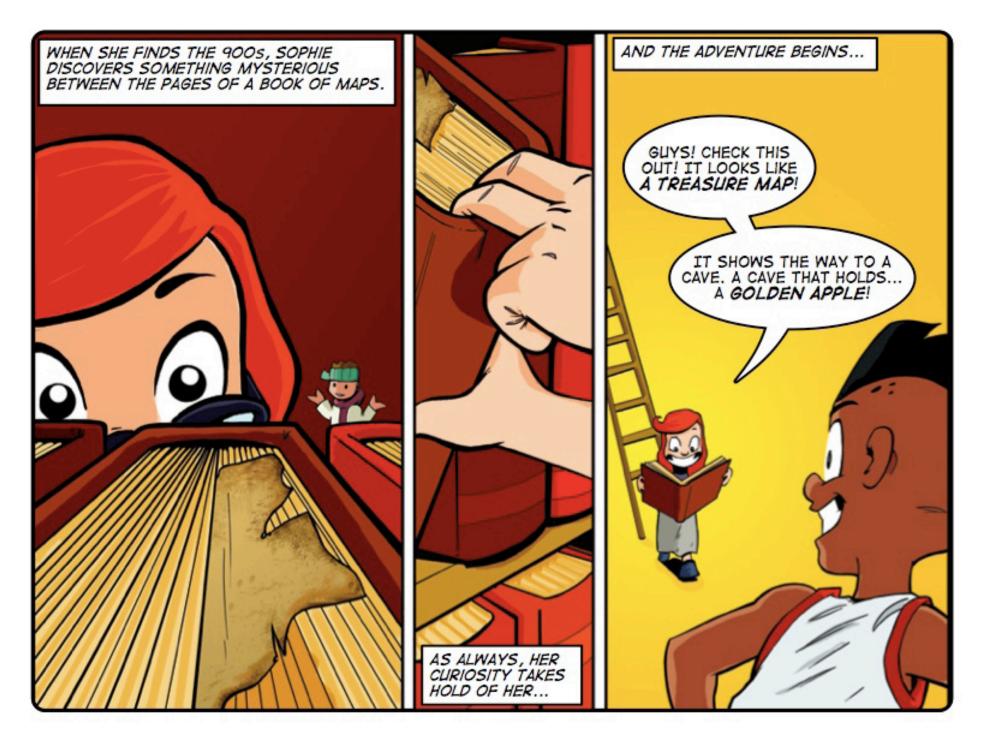




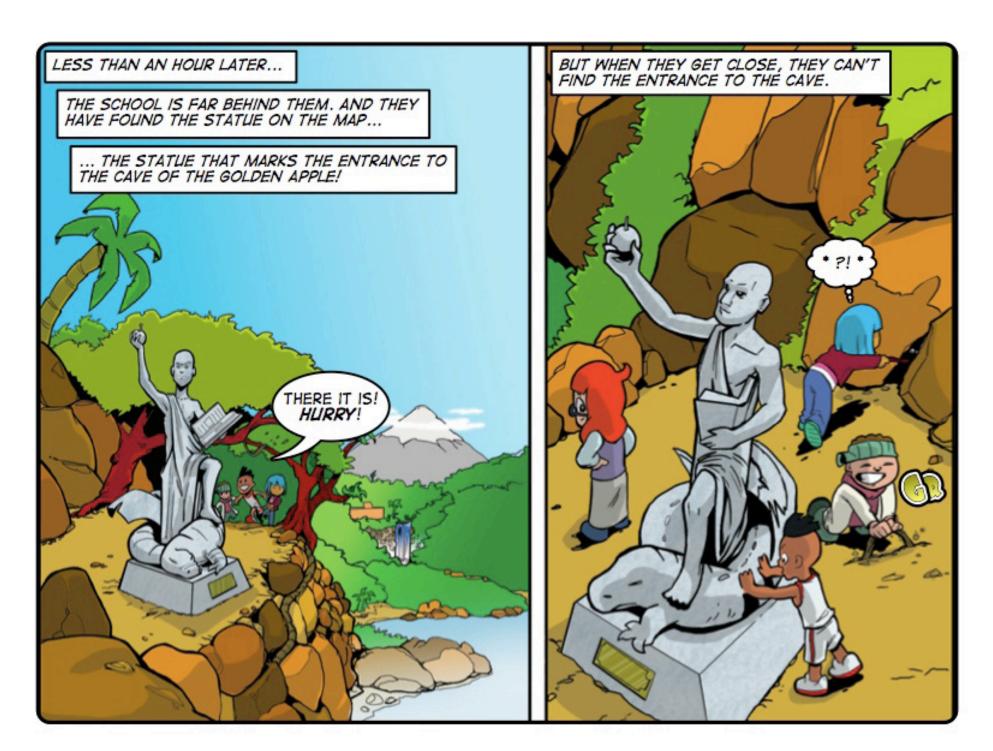


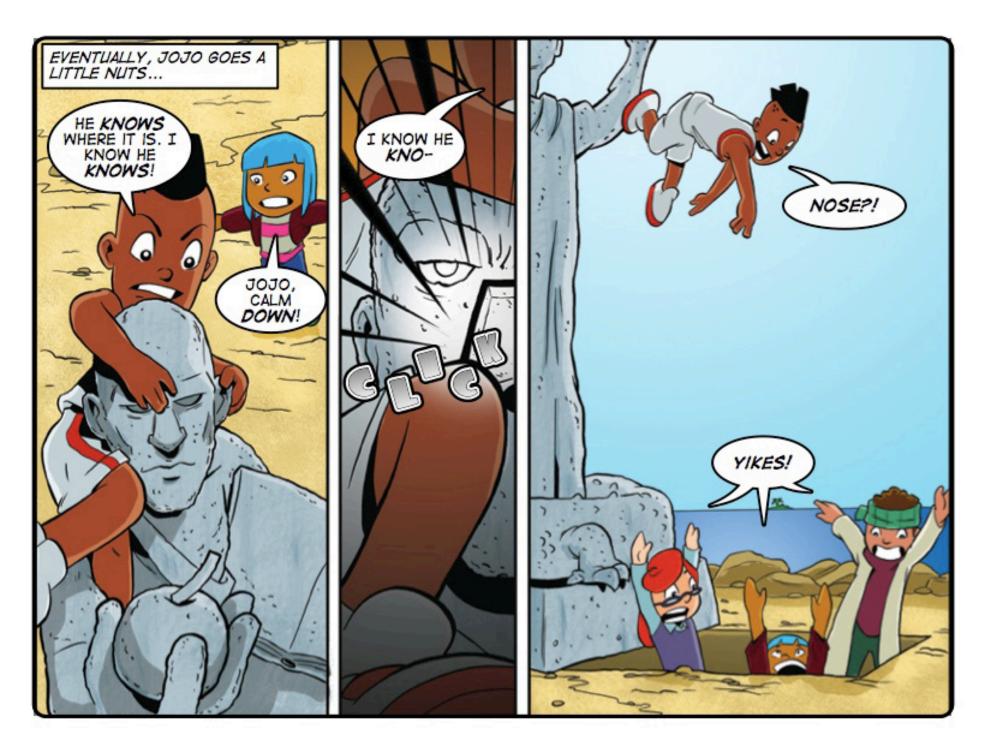


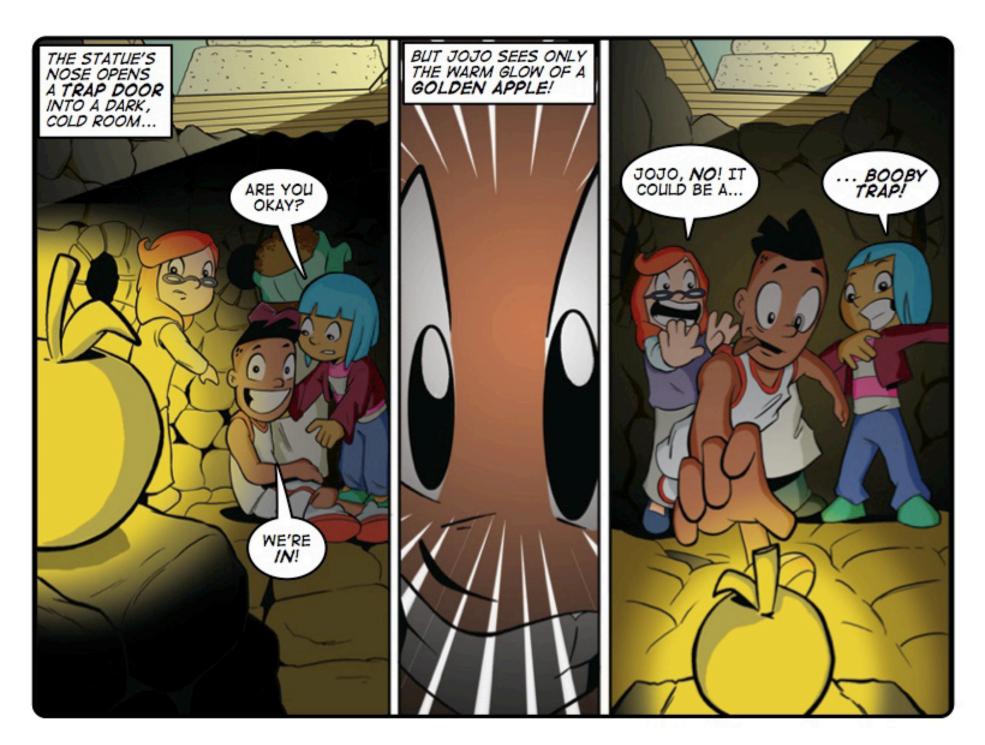






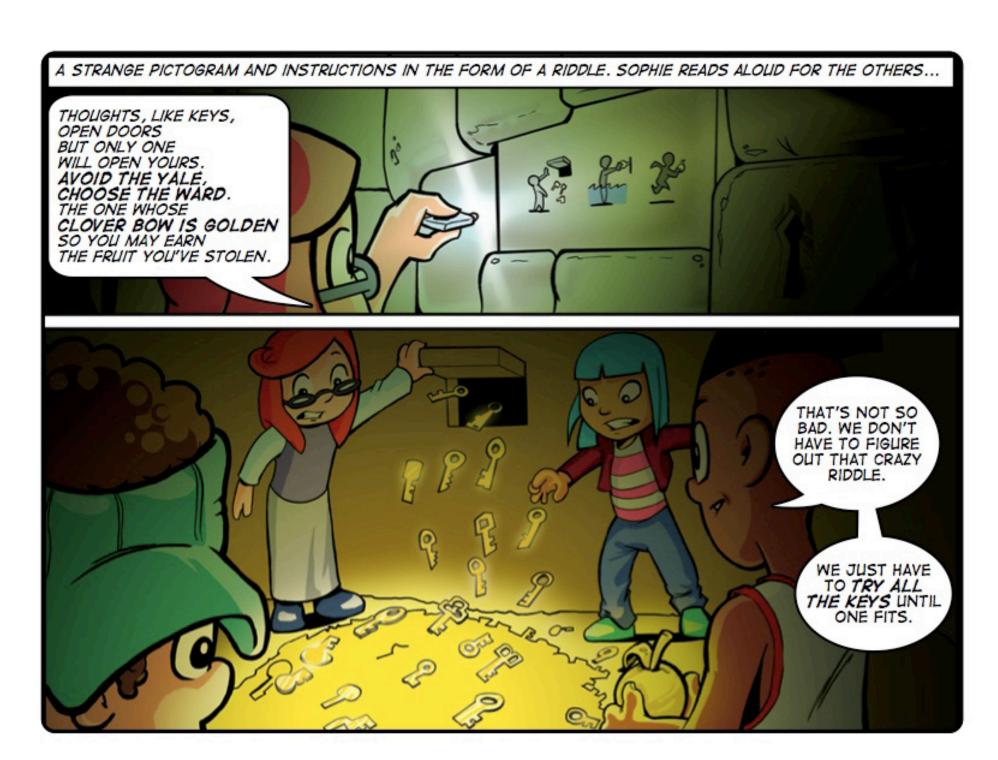








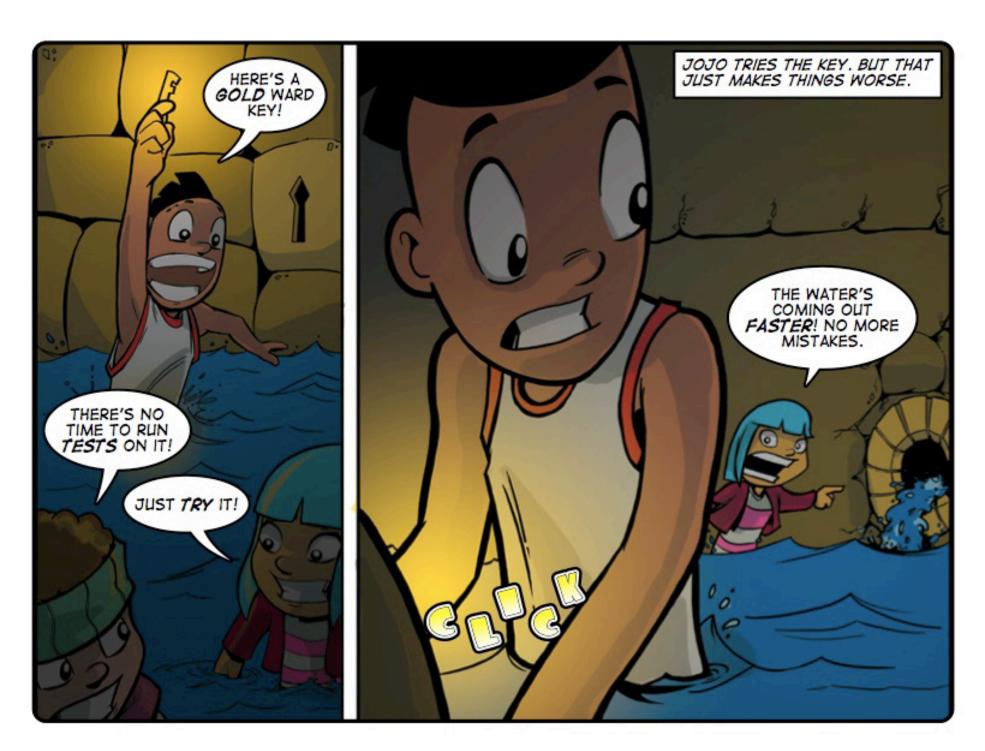


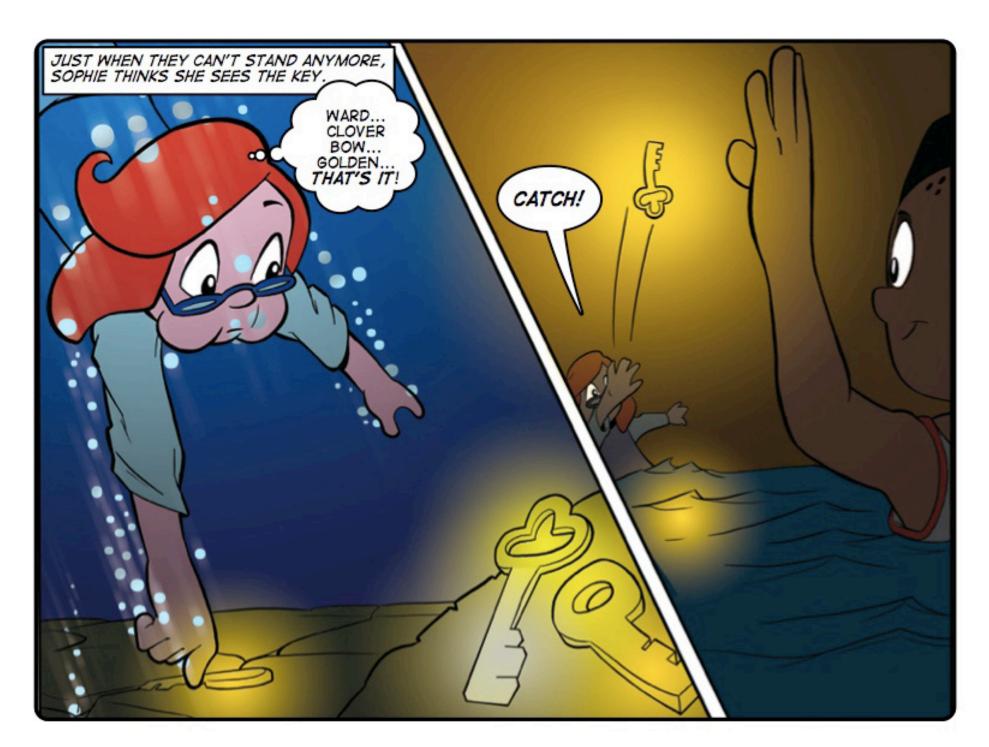


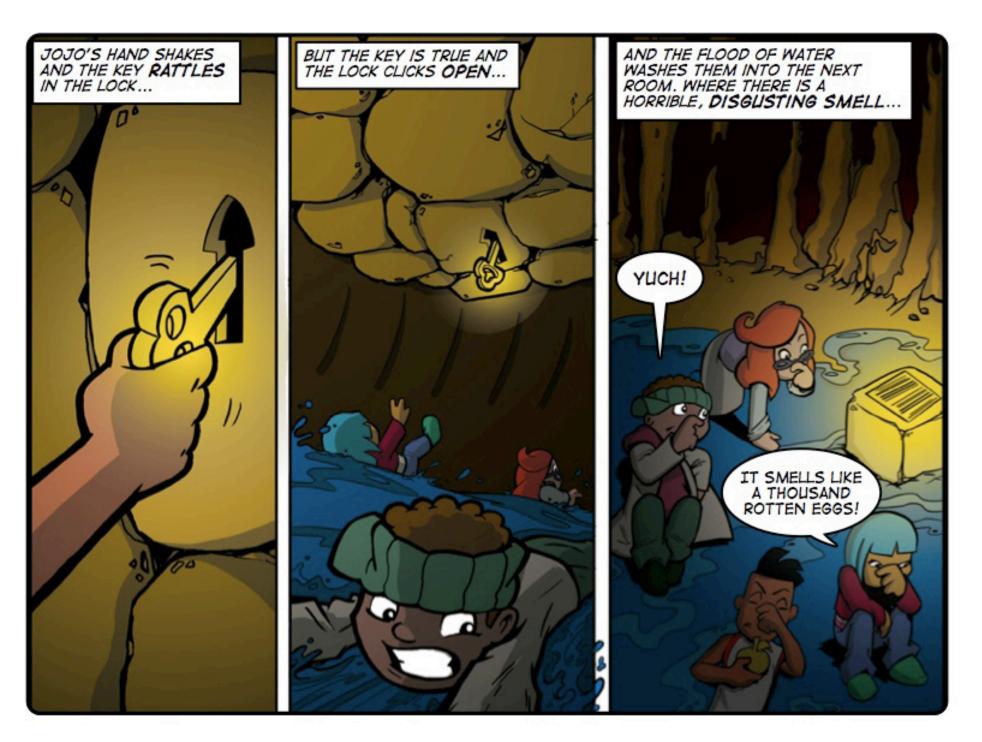


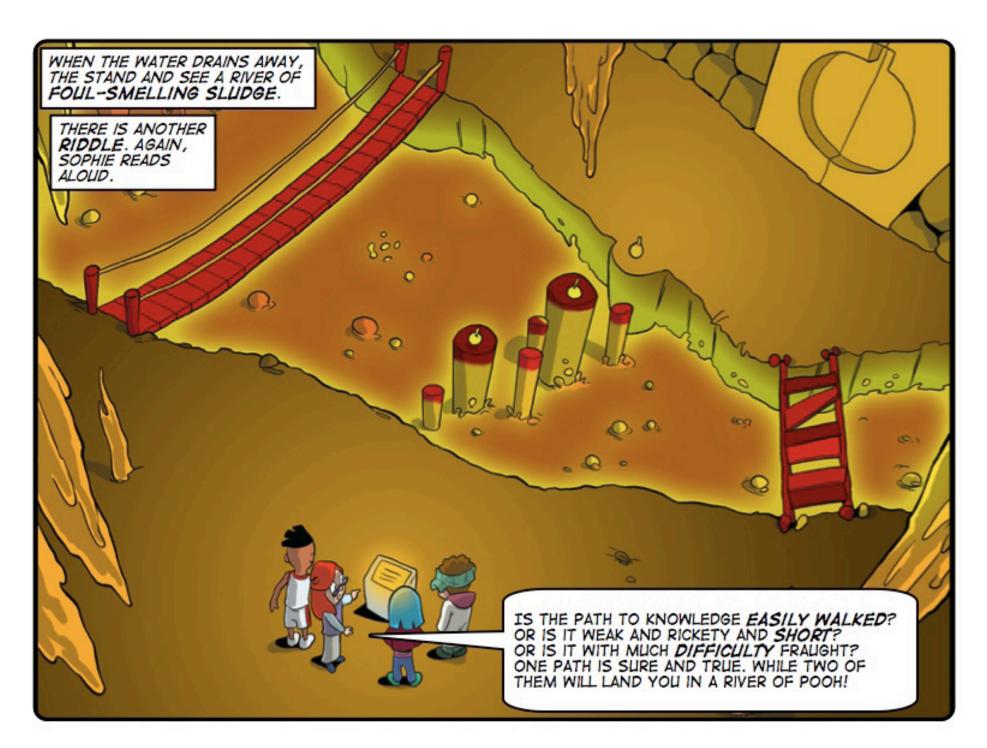


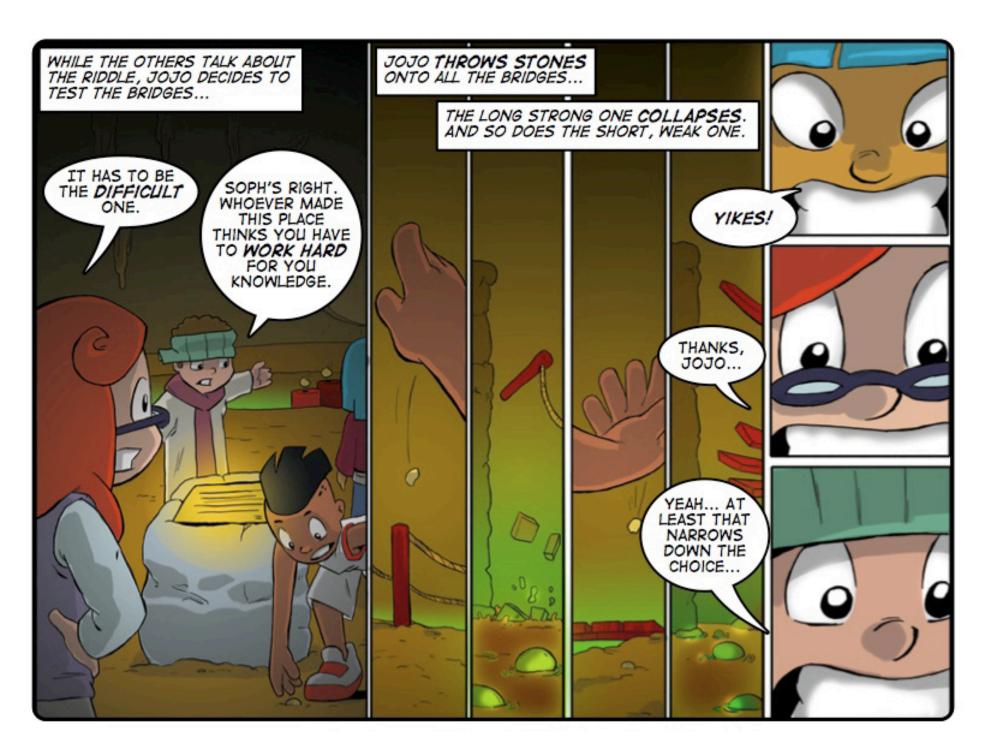


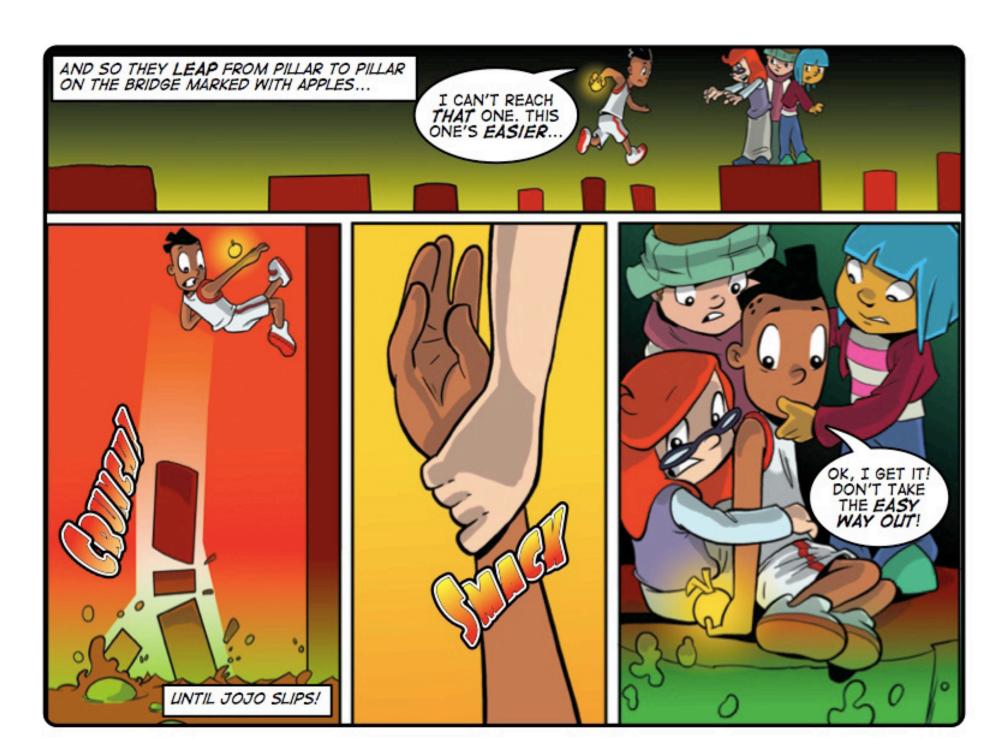


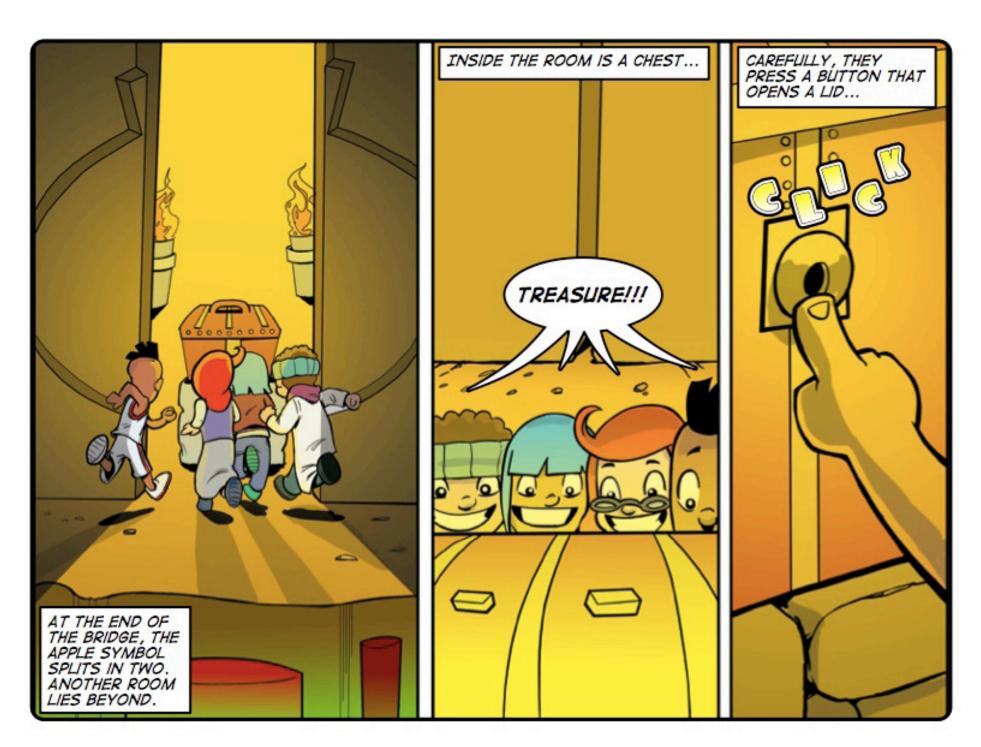


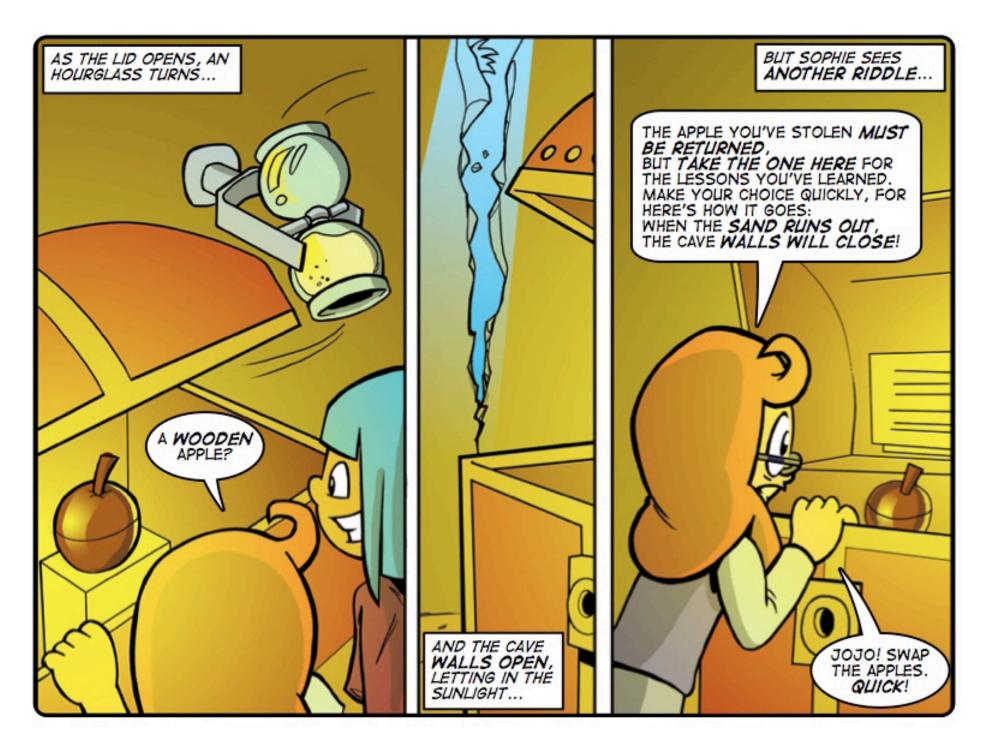


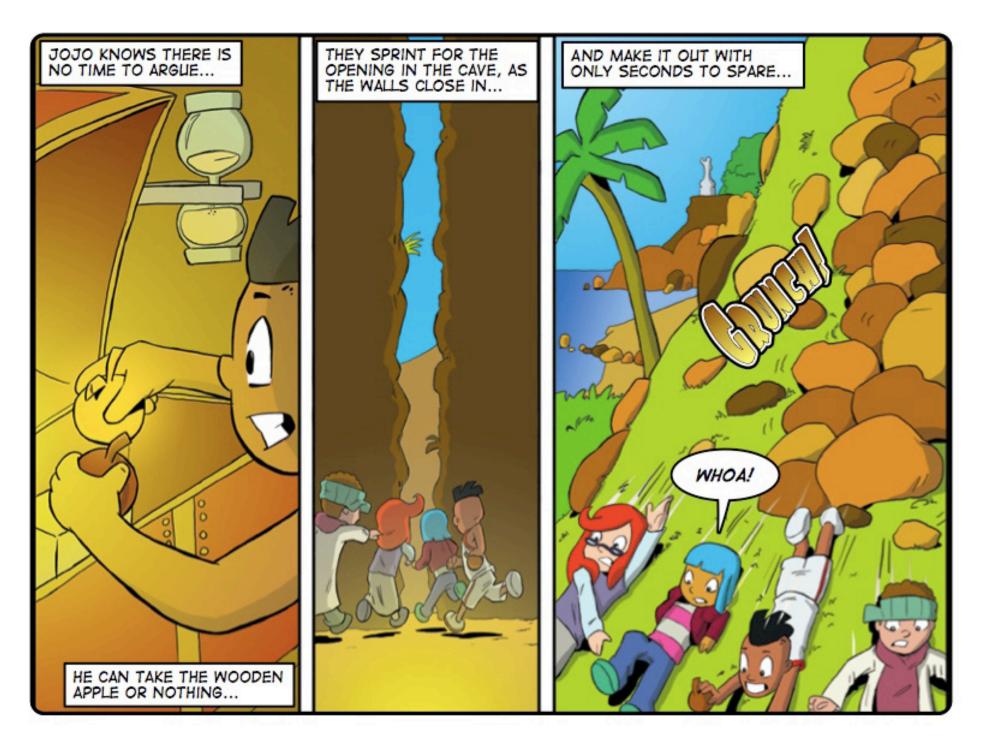






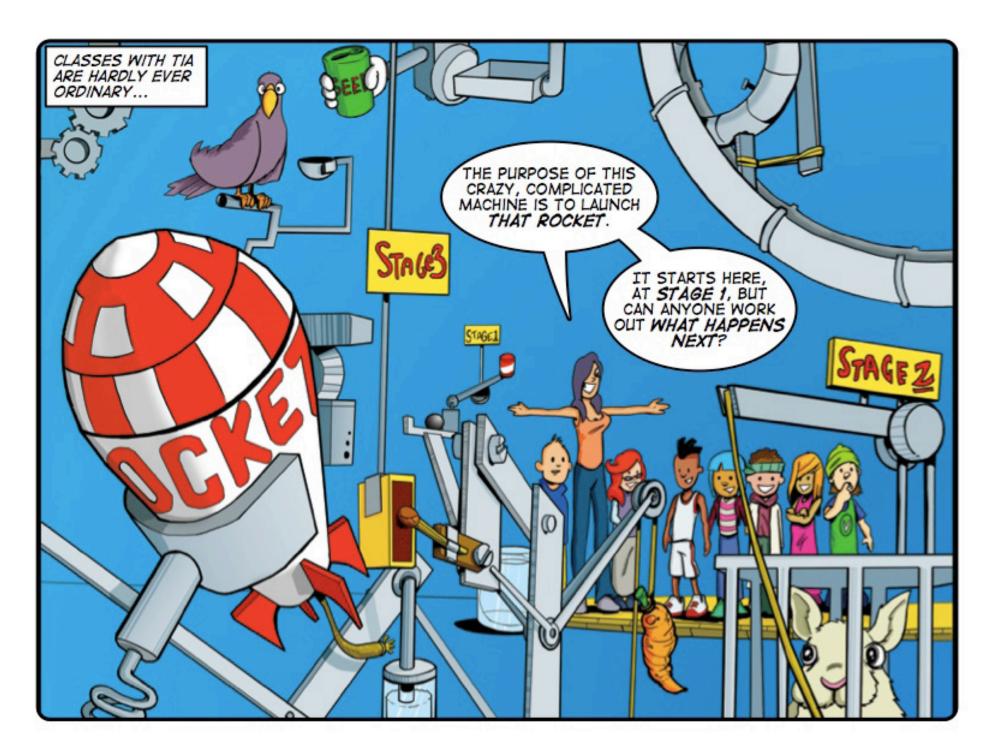


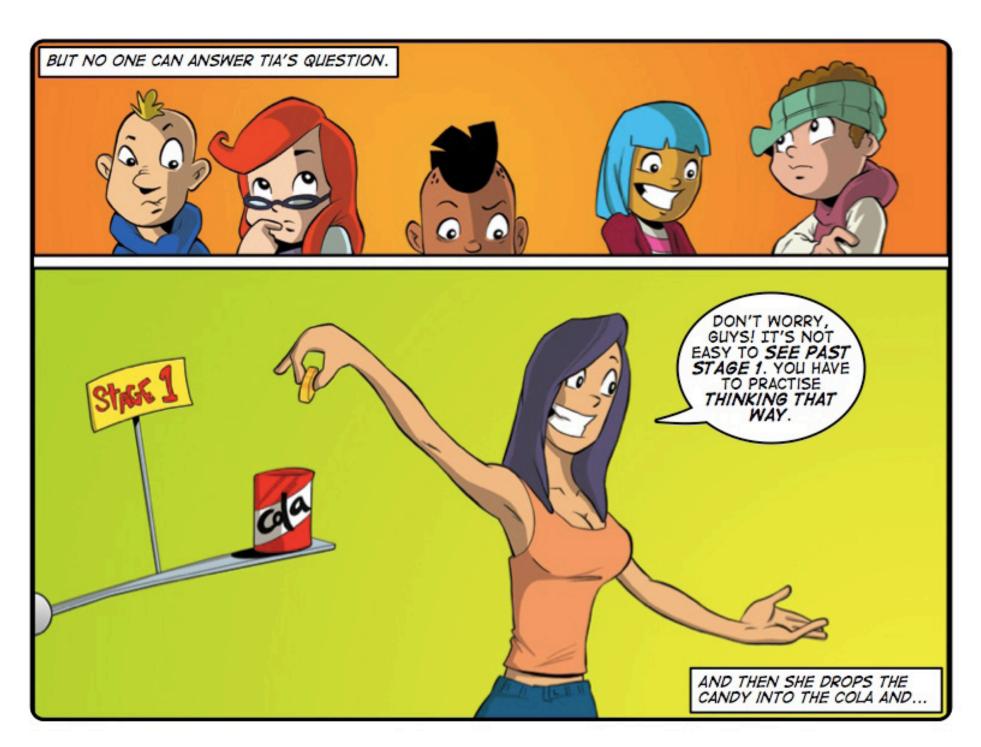


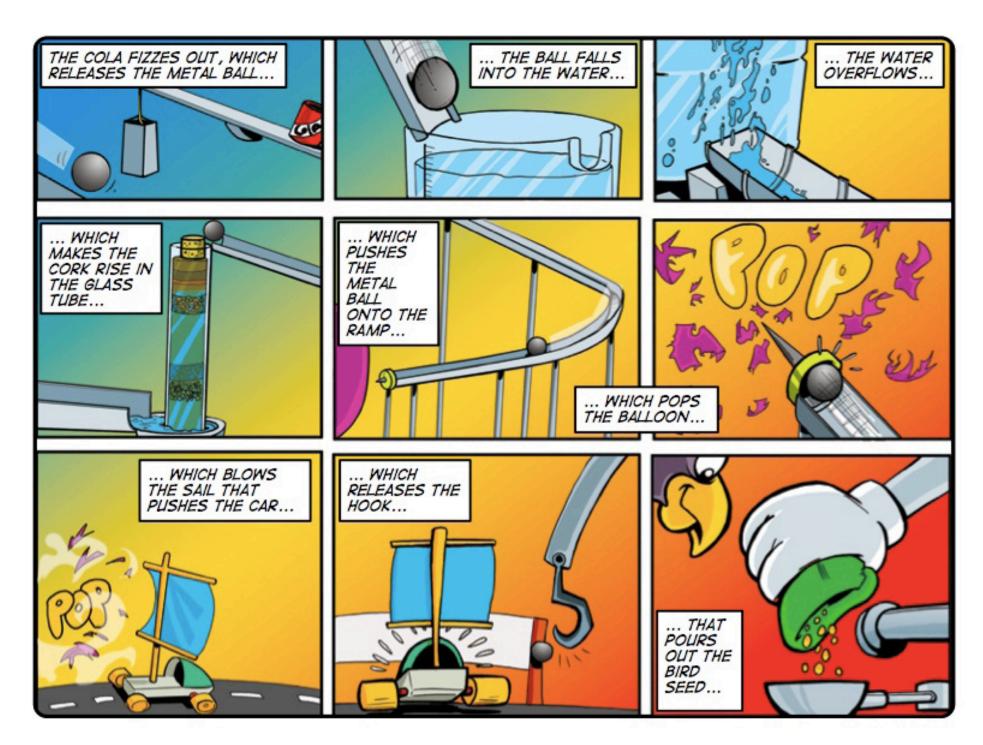


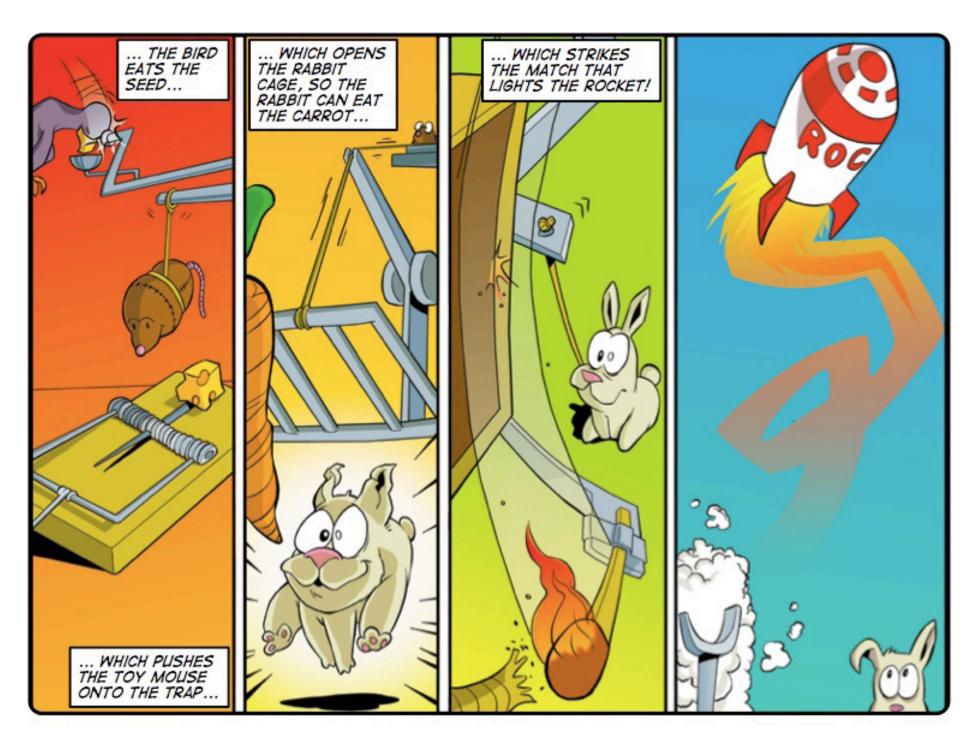




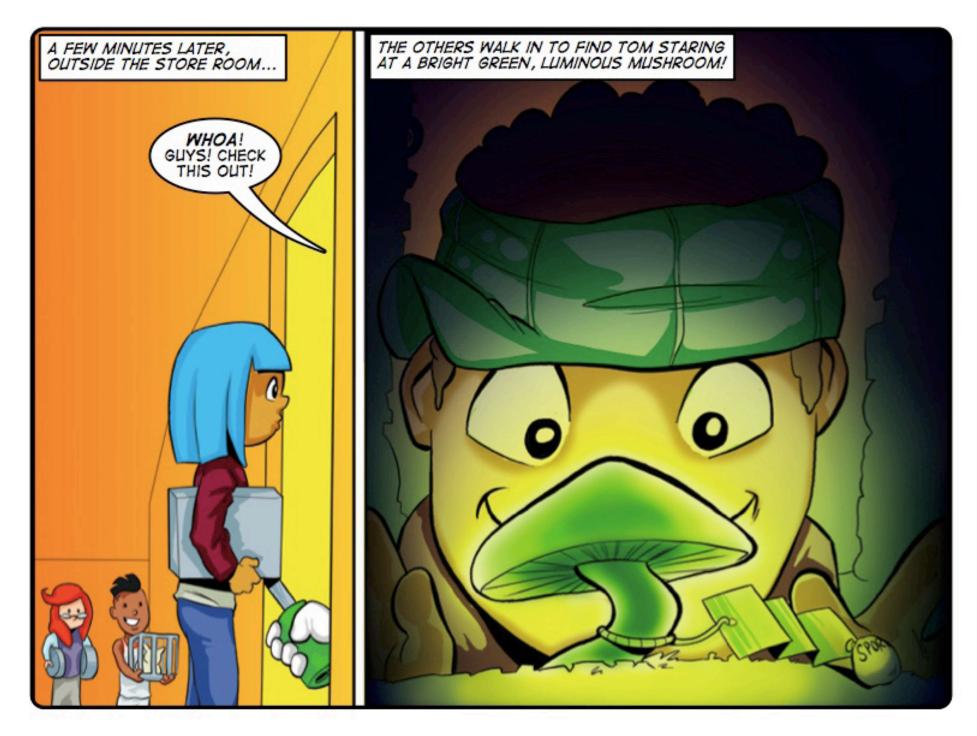






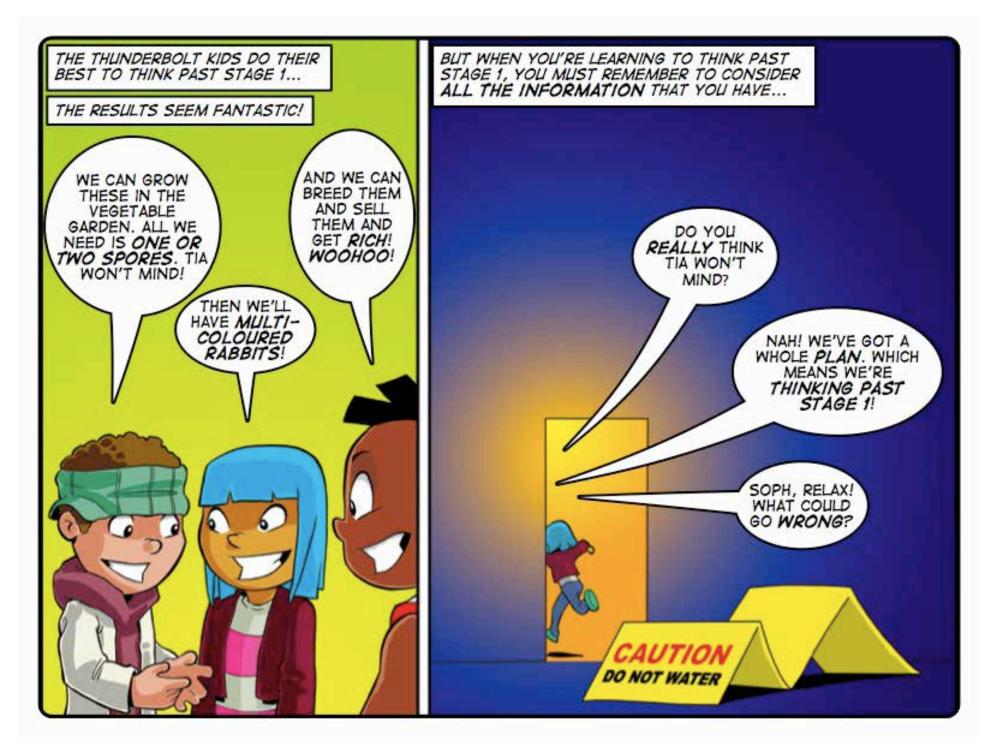


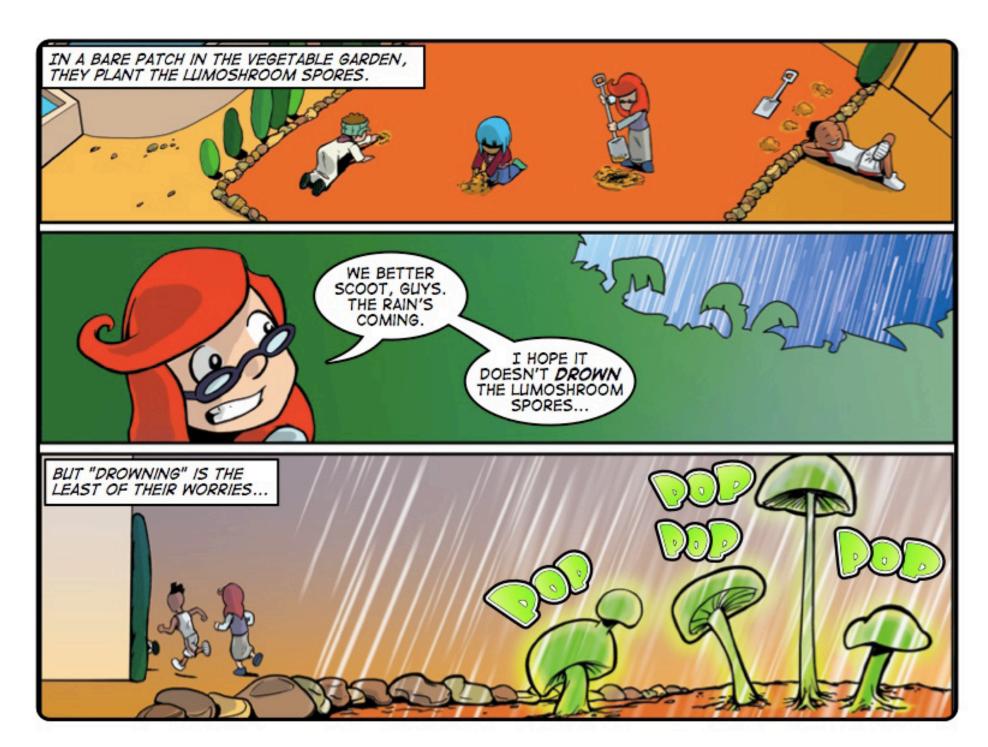


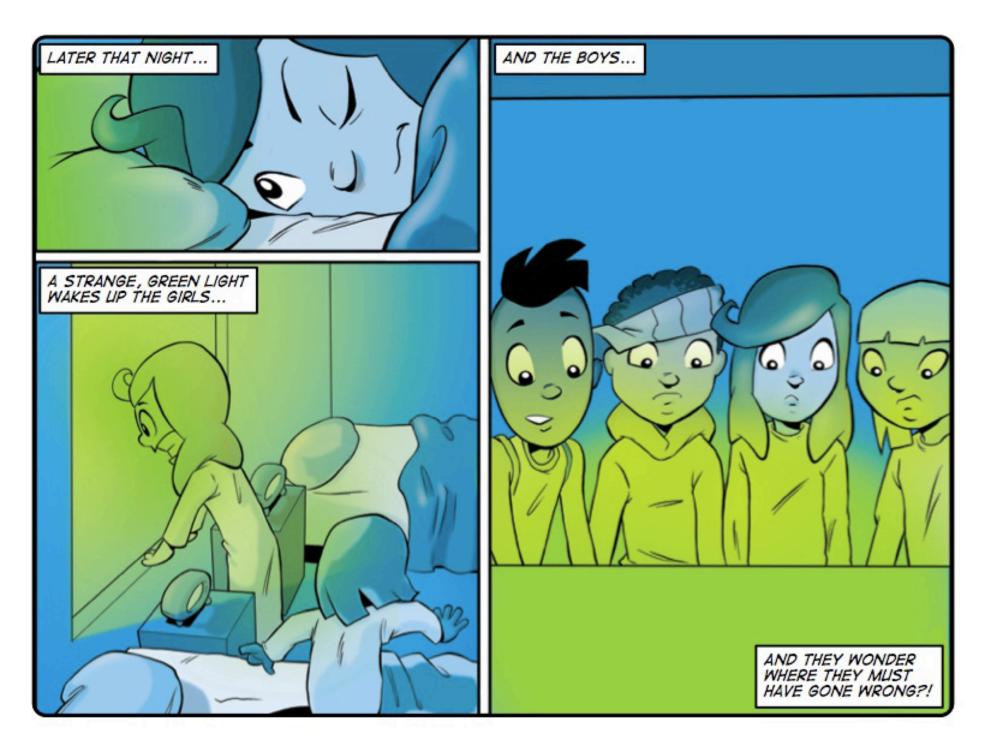


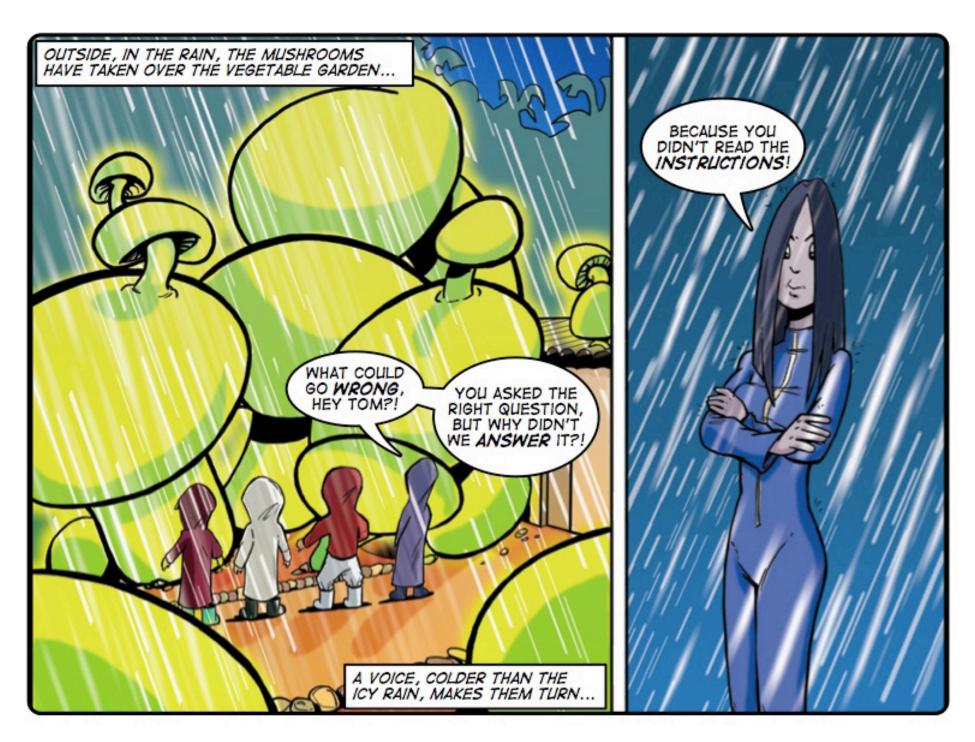


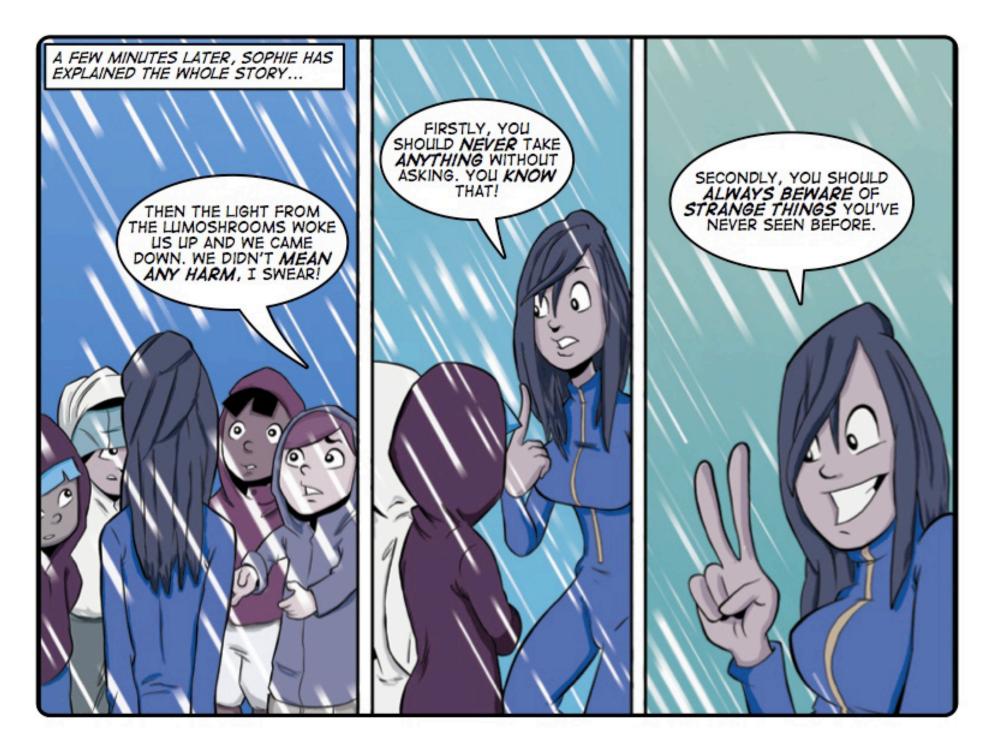


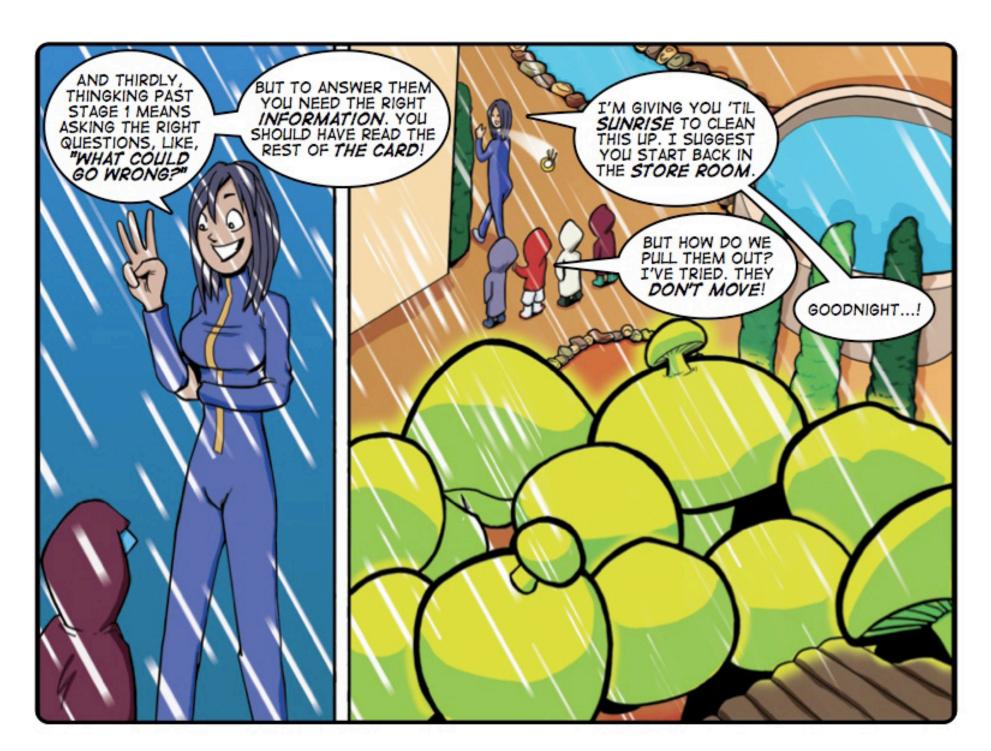


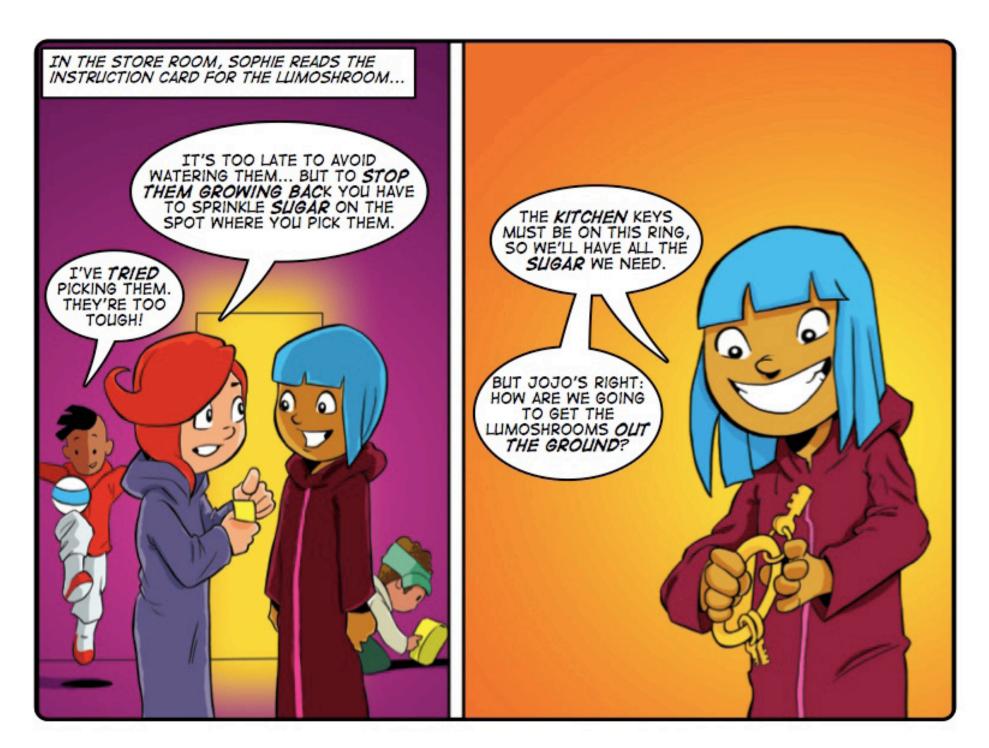


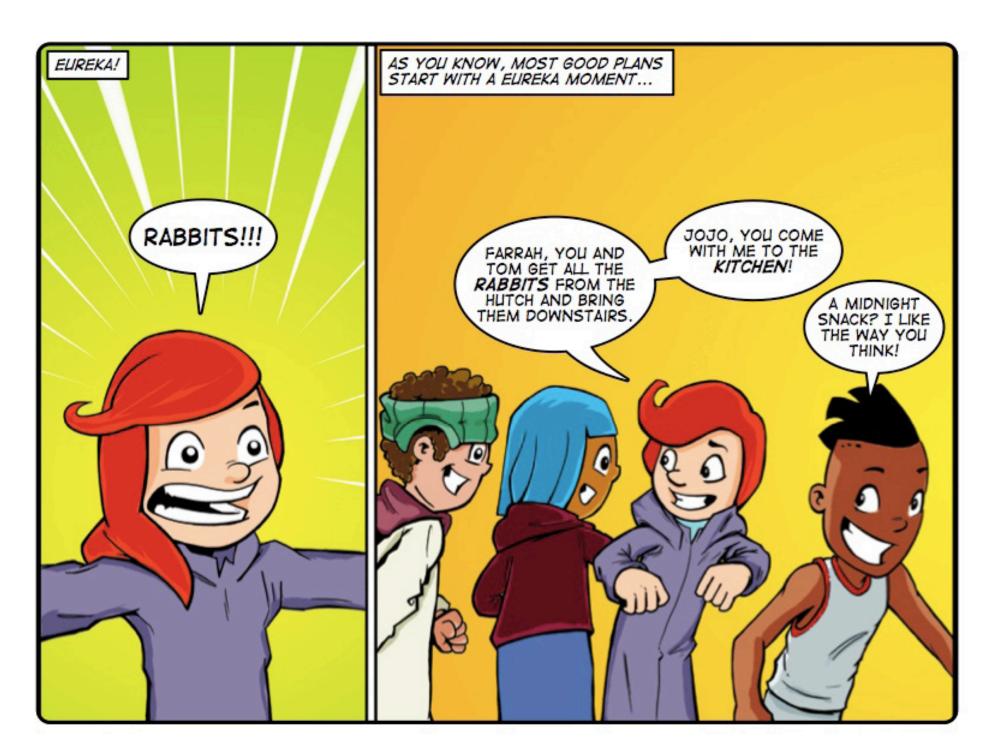


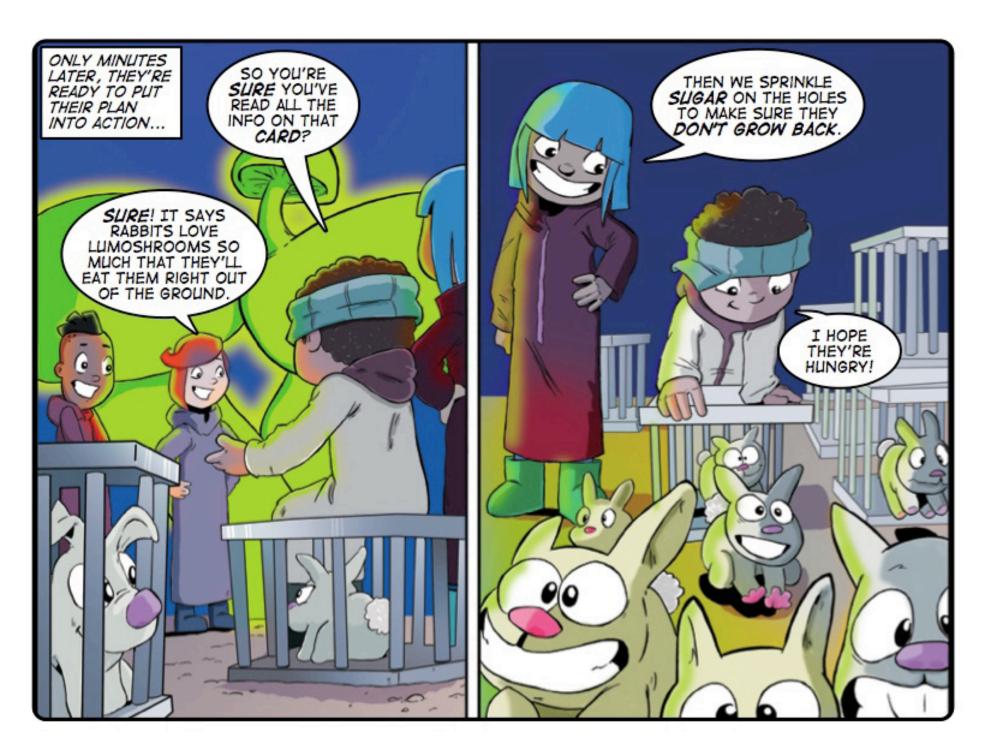


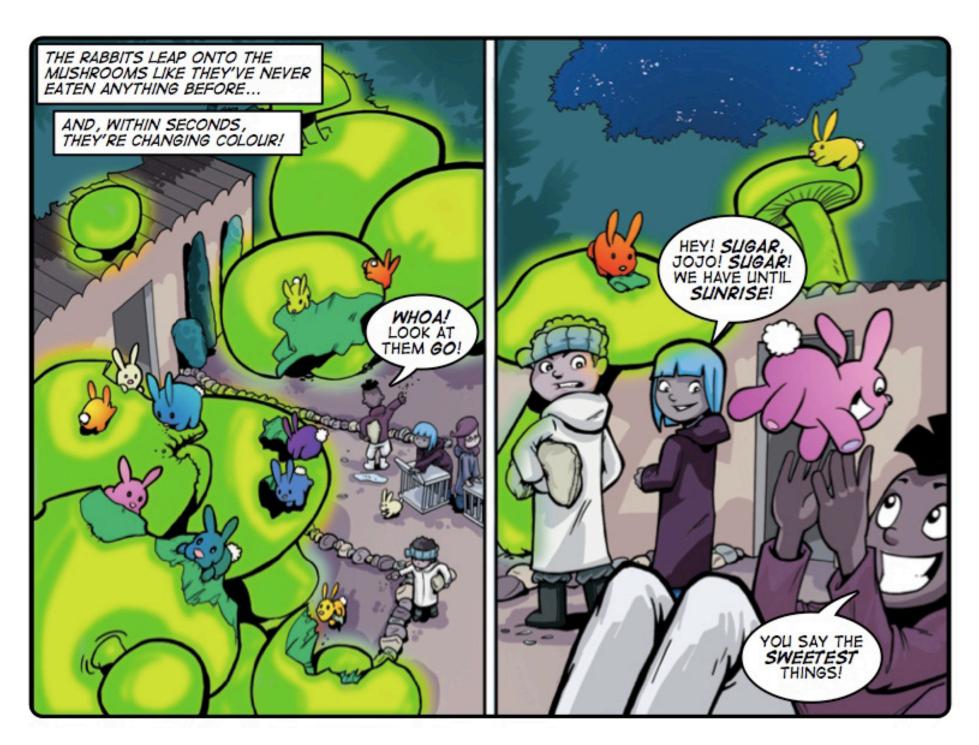


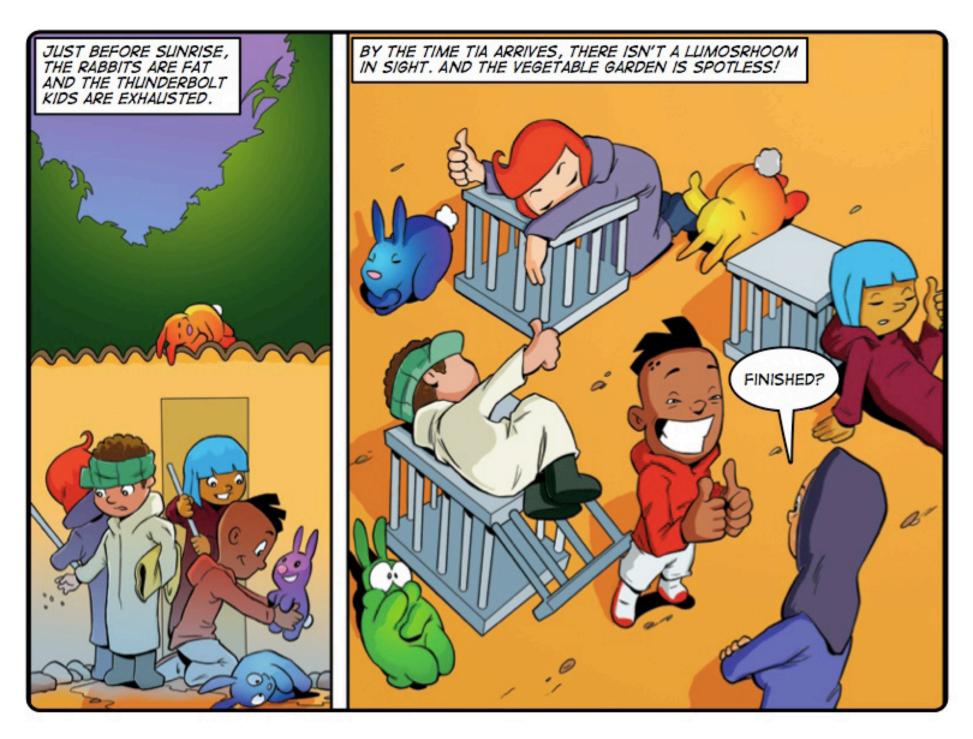


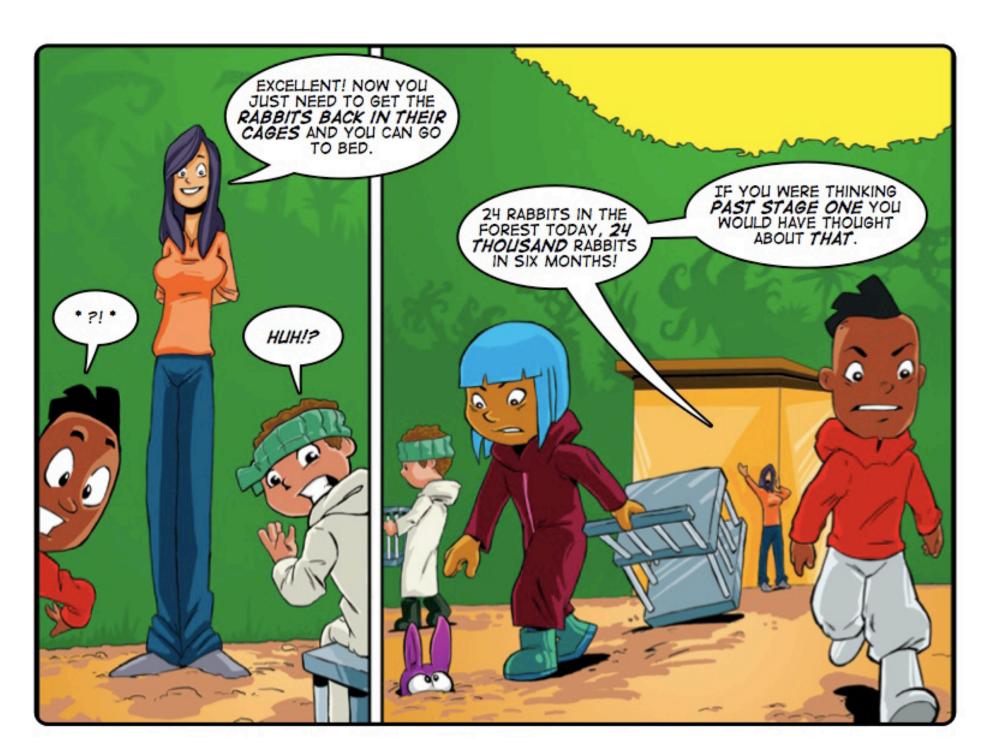




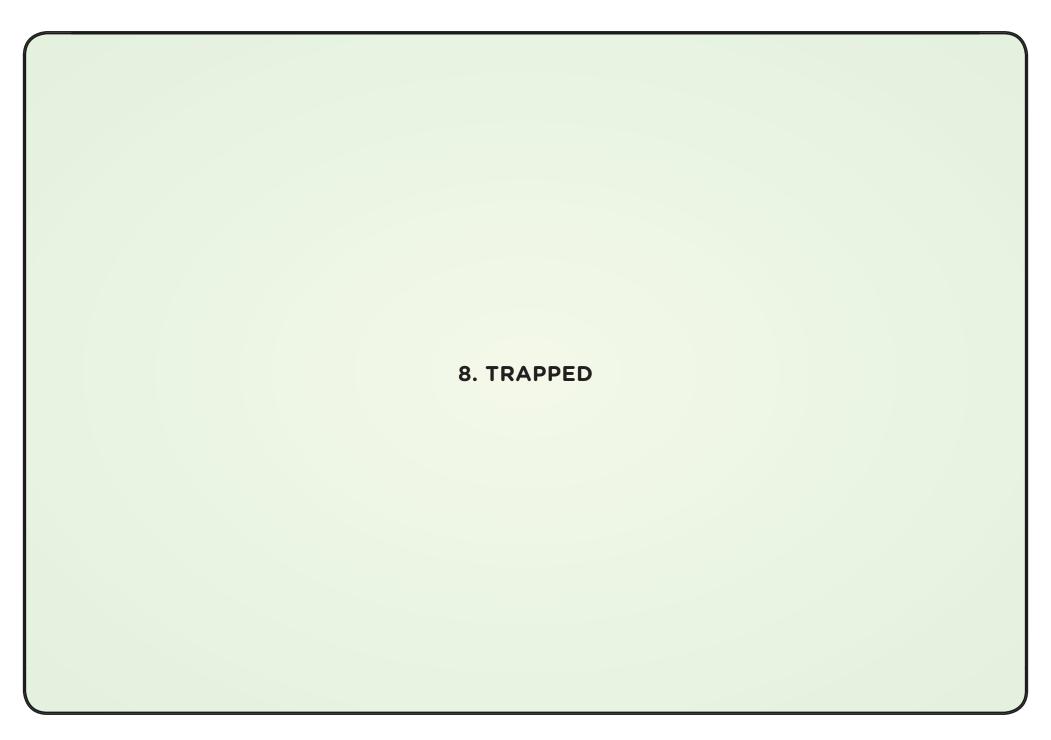










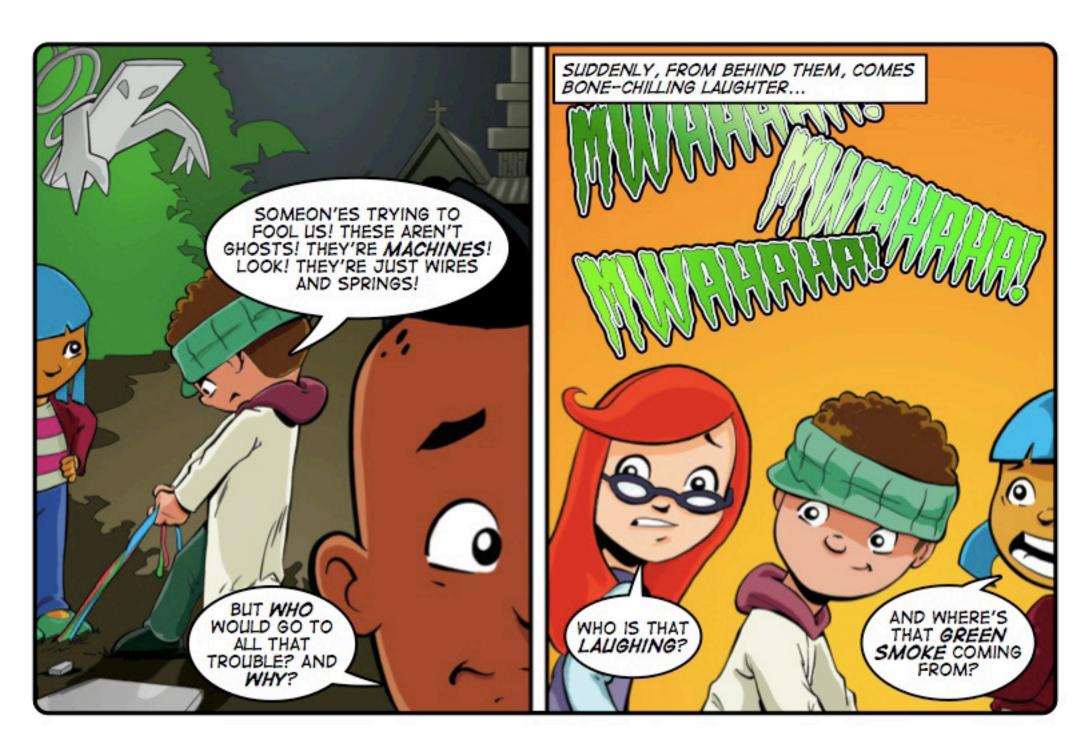










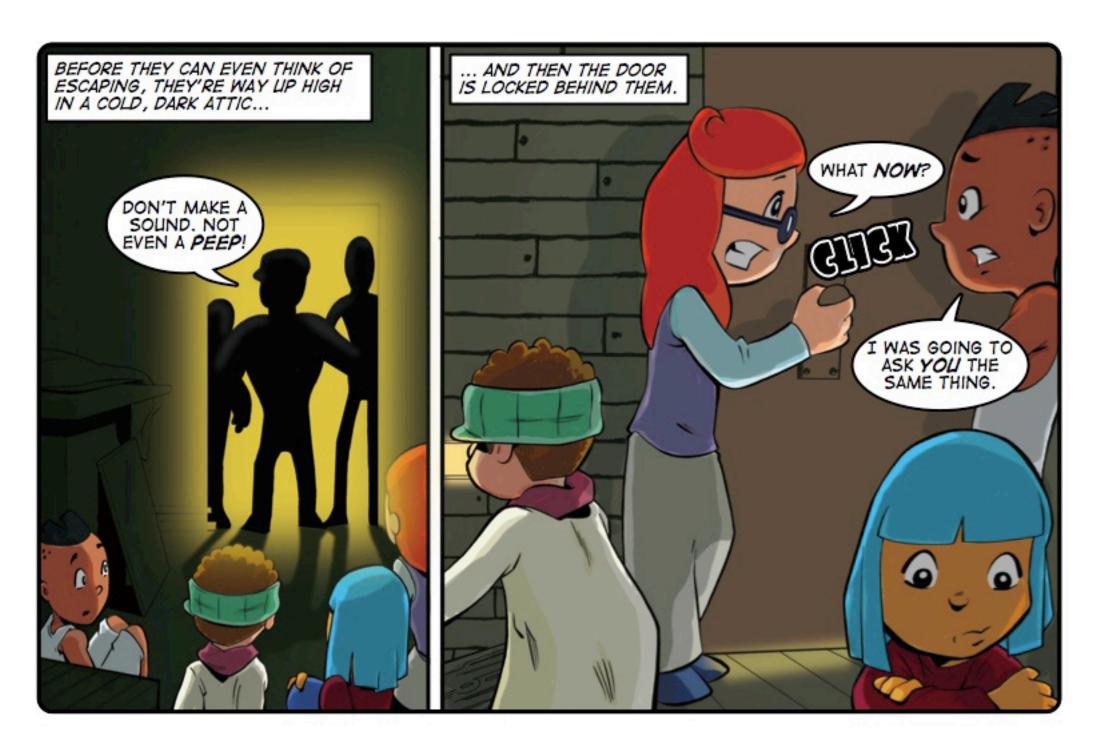


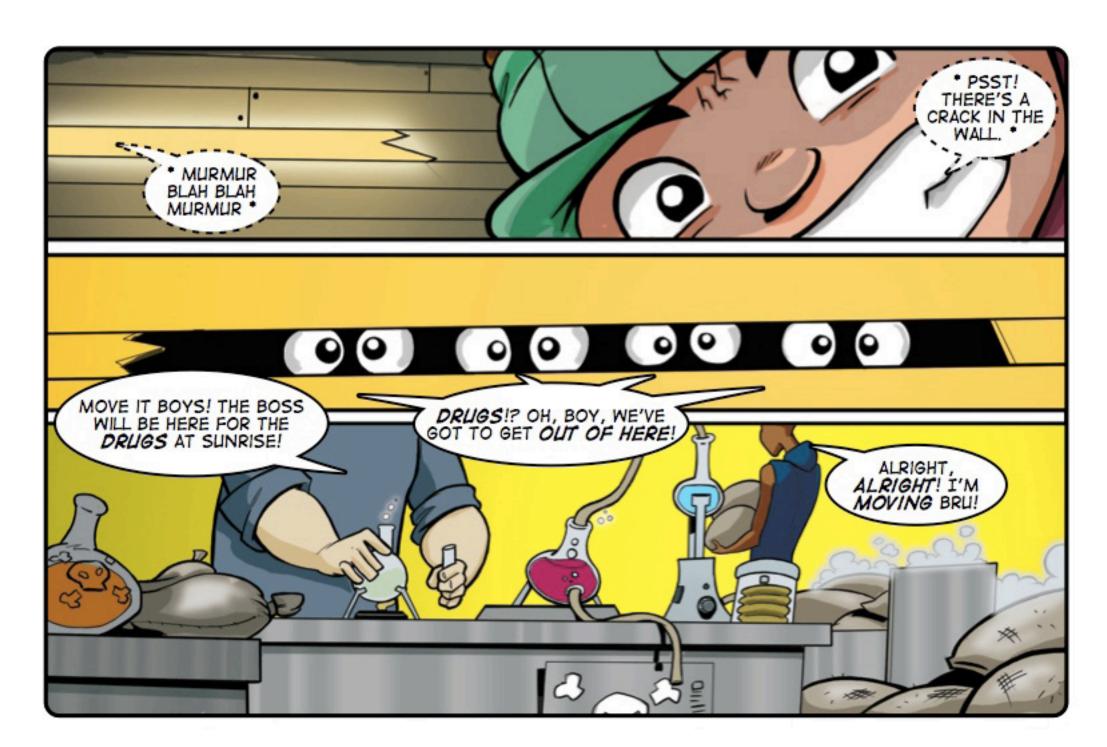








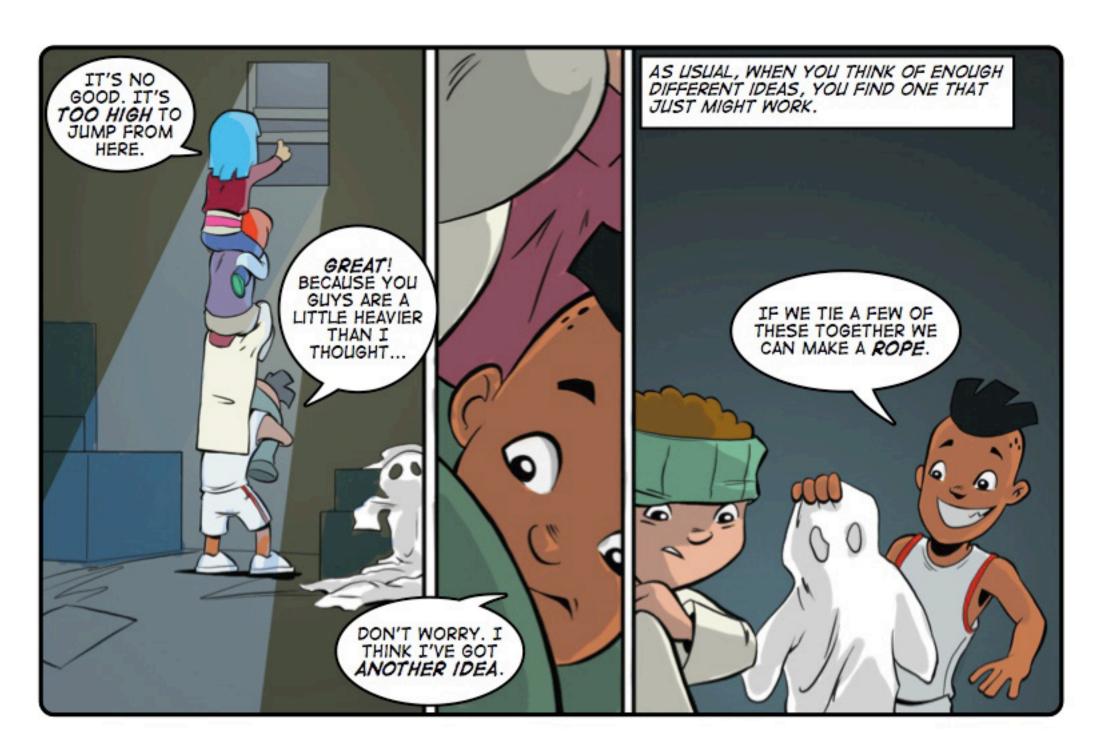




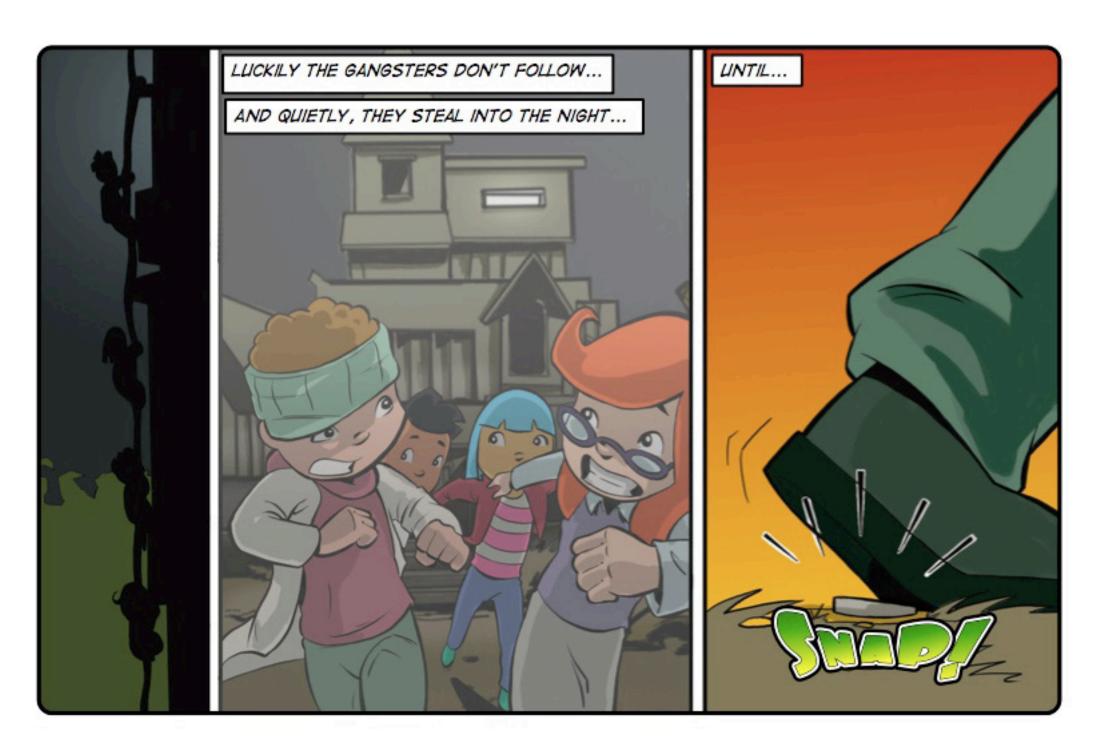


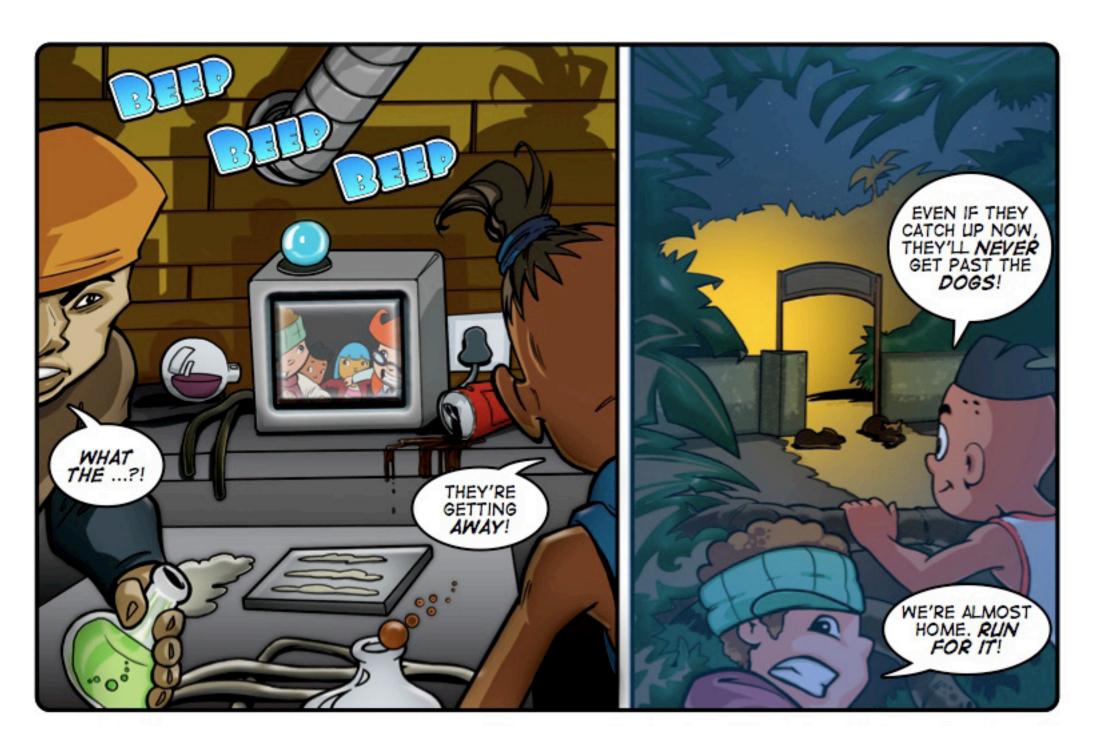






















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