Love is in the air

Activity 1: Discuss the following questions:

1A: LOVE, OH LOVE!

1. What do you think of Valentine's Day? Do you celebrate it?

2. Do you believe in love at first sight? Have you ever fallen in love at first sight?

3. Do you think that you can predict when you are going to fall in love? If yes, how?

4. Do you think that you can mathematically predict when you are going to fall in love?

5. How can you find a perfect partner?

1B: SUCCESSFUL (ONLINE) DATING

1. Have you ever subscribed to an online dating site? Do you think such pages help people find their Mr. or Mrs. Right?

2. Do you know a couple who met on an online dating site?

3. How can you be successful on an online dating site? Prepare three tips for people who want to create their dating profile:

    1.

    2.

    3.

4. Prepare three tips for a happy long-term relationship:

    1.

    2.

    3.

Activity 2: TED Talk by Hannah Fry

2A: Match the words (1-10) with their definitions.

1.	arms race **D**	**A**	to not react to something that someone says, especially something annoying
2.	bald **I**	**B**	(OLD FASHIONED) a man who wants to get married to a particular woman
3.	equation **E**	**C**	(INFORMAL) to feel sexually attracted to someone
4.	let something go **A**	**D**	competition between countries to increase the number or power of their weapons of war
5.	long-term **H**	**E**	a statement that two sets of numbers, letters, or symbols are equal
6.	minger **J**	**F**	a series of actions or events that together show how things normally happen or are done
7.	pattern **F**	**G**	to make someone feel very embarrassed and ashamed
8.	suitor **B**	**H**	continuing to exist, be relevant, or have an effect for a long time in the future
9.	to fancy somebody **C**	**I**	with little or no hair on your head
10.	to humiliate **G**	**J**	an insulting word for someone who you do not consider attractive, usually a woman

Definitions: www.macmillandictionary.com

2B: Find synonyms.

1.	accuracy **B**	**A**	very surprising
2.	dashing **J**	**B**	precision
3.	deliberately **F**	**C**	to be very successful
4.	dull **G**	**D**	in an open and honest manner
5.	frankly **D**	**E**	to cut the edges of something
6.	startling **A**	**F**	on purpose
7.	stock market **I**	**G**	boring
8.	to be a roaring success **C**	**H**	to refuse
9.	to crop (e.g. a photo) **E**	**I**	stock exchange
10.	to reject **H**	**J**	attractive

2C: Watch the TED Talk „The mathematics of love" by Hannah Fry and answer the following questions:

To watch the TED Talk scan the QR code or go to the page http://bitly.com/AT_Love_is_in_the_air

1. "Why I don't have a girlfriend" is a title of a

   a) poem   b) book ***c) scientific article.***

2. What are the features of Peter's potential girlfriend?

The girl should live near him, should be in the right age range and hold a university degree. She should be attractive and find him attractive. They should get on well with each other.

3. How many potential partners does Peter have in the United Kingdom? ***26 women***

4. Mathematicians tend not to go out because they know how little statistical chance they have to succeed. **T**/F

5. Why is mathematics so powerful?

Because it provides patterns to analyse various things. It offers us a new way of looking at almost everything, even love.

6. If you are attractive, you are popular on dating sites and you get a lot of messages. T/**F**

7. Everyone agrees that Sarah Jessica Parker is beautiful. T/**F**

8. How would Portia de Rossi and Sarah Jessica Parker score for their beauty?

   a)   They would have the same average score and the same individual scores.

   b)   They would have the same average score but different individual scores.

9. Why is it better to be considered beautiful as well as ugly by the people (in contrast to being considered beautiful by everyone)?

Because there is less competition and people won't feel discouraged to contact you.

10. Which pictures people choose for online dating website? Give examples.

Pictures which minimize things that they think other will find unattractive. Overweight people choose a very cropped photo or bald men choose pictures where they're wearing hats.

11. In order to be successful at dating sites you should:

    a) hide the things that make you different.

    b) emphasize the things that make you different.

12. How can you (mathematically) maximize your chances of picking a perfect partner?

You should reject the first 37% of your dates. Then you should pick the first person that is better than all the others you have met before*.*

13. The optimal stopping theory guarantees a 100% success rate. T/**F**

14. How many couples get divorced in the US? **1 in 2**

15. What did John Gottman record in his study?

What was said in the conversation, skin conductivity, facial expression, heart rates and blood pressure.

16. According to the Gottman's findings, couples who get into spiral of negativity have bigger chances of getting divorced. **T**/F

17. If you want to avoid divorce, you can't let things go. **T**/F

18. Couples with a low level of negativity threshold are more likely to get divorced. T/**F**

19. If you want to avoid divorce, you can't let things go. **T**/F

After watching:

1. What do you think of Hannah's tips on dating and successful relationships? Do you agree with them?

2. Do you believe in the optimal stopping theory described by Hannah? Would you like to test it?