

Group Cognitive Remediation Therapy for Adolescents with Anorexia Nervosa

The Flexible Thinking Group



Zoe Maiden, Laura Baker, Dr. Jonathan Espie, Dr. Mima Simic and
Dr. Kate Tchanturia

Version 1: August 2014

Introduction

This manual is a modification of the Cognitive Remediation Therapy Manual for anorexia nervosa developed by Tchanturia, Davies, Reeder and Wykes (2010). The original manual of the Cognitive Remediation for Anorexia Nervosa is available to download from the following website: <http://www.national.slam.nhs.uk/wp-content/uploads/2014/04/Cognitive-remediation-therapy-for-Anorexia-Nervosa-Kate-Tchantura.pdf>).

The original protocol has been adapted for working with young people with anorexia nervosa in a group setting. It has been developed within the day-patient Intensive Treatment Programme (ITP), part of the Child and Adolescent Eating Disorder Service (CAEDS) at Maudsley Hospital.

The manual includes a brief overview of how the group has developed over time, session plans, exercises, feedback from young people, facilitators and supervisor.

Development of this Manual

In the early stages of cognitive remediation therapy (CRT) work with young people, we used the adult group protocol. It was also originally a ‘closed’ group with 4 weekly sessions. After several runs and a pilot study (Pretorius et al., 2012), with the use of qualitative feedback from group participants (both young people and facilitators), we considered the following issues:

- 1) The protocol needed age appropriate modifications to be engaging
- 2) More tasks were needed to help young people translate the skills into everyday life
- 3) A rolling group programme was required due to service demands
- 4) 8 session protocol would be more helpful, engaging and practical

In response to this, facilitators adapted some existing tasks in the adult protocol and added enough novel exercises to run 8 sessions. These exercises were discussed at length between the authors of this manual to ensure that they were in line with the principles of cognitive remediation therapy.

Other CRT Developments

CRT for young people continues to progress. For example, we are investigating the cognitive profiles of young people by completing systematic reviews of the literature (Lang et al 2014a,b) as well as collecting new cognitive profile data. We continue to evaluate our Flexible Thinking group quantitatively with self-report measures (Cognitive Flexibility Scale and Motivational Rulers). We also qualitatively assess group member’s feedback. The method of collection has changed over time from questionnaires to semi-structured exit interviews at the point of discharge from the programme.

A 10 session CRT individual protocol for young people with anorexia nervosa is also available in the public domain. This was created by a Norwegian group www.rasp.no, which was the first attempt to make CRT age appropriate for young people with eating disorders.

Other extensive unpublished work is being undertaken in Stanford by Dr Kara Fitzpatrick and Prof James D. Lock (chapter 2014).

General Session Information and Structure

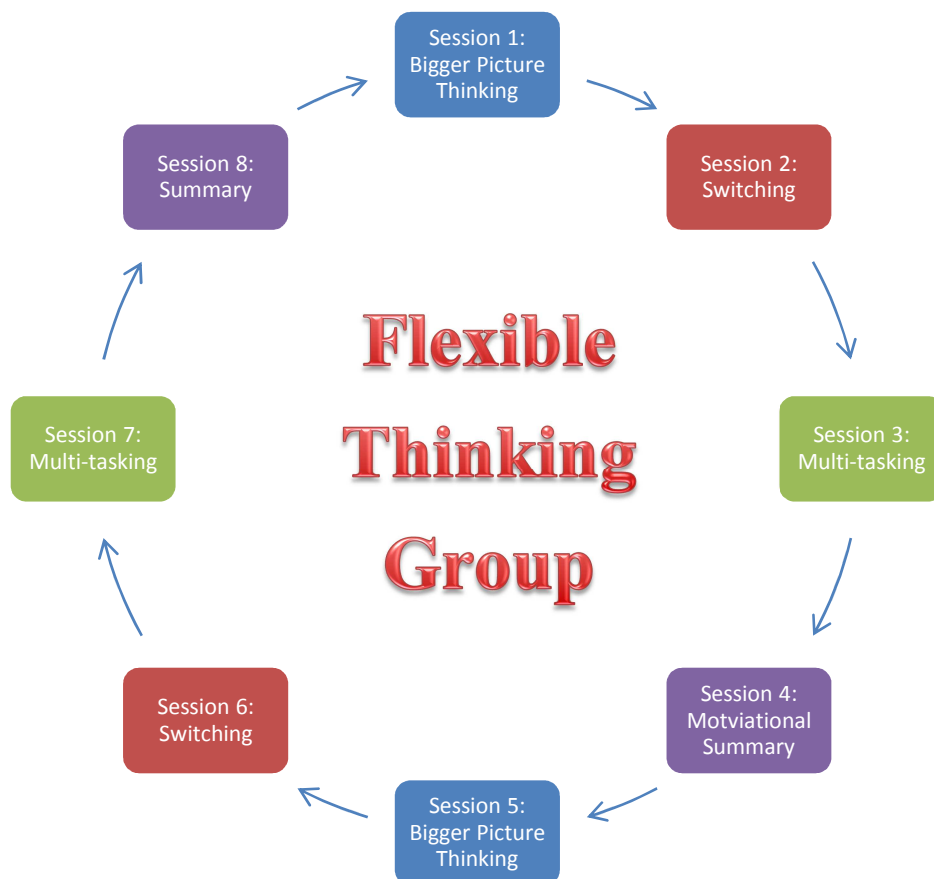
The group is called “The Flexible Thinking Group” in order to be more accessible to young people. Sessions are 45 minutes long. The group is designed to be a rolling programme, so that young people can join at any session and be able to participate.

It is designed to be facilitated by two members of multi-disciplinary staff. Facilitators take it in turn to lead and participate in the exercises, thus modelling flexible thinking, curiosity and anti-perfectionism. They are also aiming to be motivational, enthusiastic, interactive and respondent to the needs of the young people in the group. Facilitators receive regular supervision from Consultant Clinical Psychologist Dr. Kate Tchanturia, who developed the adult individual and group manuals.

The group aims to explore different thinking styles, considering the pros and cons for each. Sessions focus on three main skills:

1. Bigger Picture Thinking
2. Switching
3. Multi-tasking

Sessions 1 – 3 and 5 – 7 focus on one individual skill. Sessions 4 and 8 are summary sessions:



Session plans are followed, which all have a similar format:

Ice breaker	5 minutes
Review of Homework (if applicable)	5 minutes
Welcome new young people, explanation of why we do 'Flexible Thinking' and introduction to today's sessions	5 minutes
Exercise 1 followed by reflective discussions	10 minutes
Exercise 2 followed by reflective discussions	10 minutes
Reflective discussion of session/links with everyday life and homework setting	10 minutes

Ice-breakers

Initially, group facilitators observed that often young people's minds were wondering and not focussed on the group. Ice-breakers were introduced to address this difficulty, with the aim to activate the young people and help them to be focussed on the present moment. Additionally, the ice-breakers set a light-hearted and interactive atmosphere. The ice-breakers are designed to include at least one of the targeted thinking skills. One or both facilitators participate in the group activity, depending on the content of the ice-breaker.

Review of Homework

Reviewing the previous session's homework and young people exchanging ideas is very important. Weekly homework review motivates young people to complete the task between sessions and can help to consolidate learning. Sometimes, young people do not complete their homework. When this happens, facilitators can be curious about what got in the way. For some homework tasks, it may be possible to think about them during the review and this is encouraged.

Welcome New Young People and Introduction to Today's Session

Due to the rolling nature of the programme, it is important to welcome any new young people at the start of the group and give a brief explanation of why we think the group is important (see Session plan 1). An introduction to today's session is also important but it is also essential to not give away too much information or the reflective discussions will become more redundant.

Exercises

Tasks are designed to practice one or more of the flexible thinking skills or consolidate learning. They aim to encourage interaction between group members within a light-hearted, fun atmosphere. In addition, our creative games can help to increase self-confidence and self-

esteem, encouraging quieter young people to open up and communicate about things that are not directly related to anorexia nervosa (AN). Although we make the sessions relevant to recovery from the illness, the majority of the sessions do not feel like formal “therapy”, which enables the adolescents who are more reluctant to change to engage in a group.

It is important for facilitators to emphasise that the aim of the exercises is not to “get them right” or complete them perfectly. There is often more room for discussion if the task goes wrong allowing more things for young people to learn.

Reflective Discussions of Exercises and Sessions

Facilitators ask questions to generate conversations about the exercise young people just completed. Task reflections offer the opportunity to explore what they have learned, why they think we have done the exercise and to relate the skills to real life, including recovering from AN. The questions asked depend on the exercise/session being reflected on. Facilitators also need to be responsive to the needs of the group of young people in front of them and so further questions are asked based on knowledge of the group. Questions also vary relative to the amount of prompting required by a group. Generally, questions fit into one of four categories:

1. What did you think of the task?
2. Did you use or develop any strategies to help you complete the task?
3. What does this task tell us about the way our/your brain works?
4. How can we apply these skills to everyday life?

Homework Setting

Homework is a key tool for young people to relate the skills practiced in session to everyday life. Individual challenges around being more ‘flexible’ in general, can be issued at any session.

Brief Session Overview

Session 1: Bigger Picture Thinking

- Ice-breaker: Body-positioning game
- Script for today's session
- Exercise 1 and reflections: Complex figures task
- Exercise 2 and reflections: Blokus and/or Qwirkle
- Session reflections
- Homework setting: Complex figures task at home

Session 2: Switching

- Ice-breaker: Doing the opposite
- Script for today's session
- Exercise 1 and reflections: Illusions
- Exercise 2 and reflections: Stroop material
- Session reflections
- Homework setting: Trying something new

Session 3: Multi-tasking

- Ice-breaker: Multi-coloured ball game
- Script for today's session
- Exercise 1 and reflections: Drawing invisible circles and real infinity signs
- Exercise 2 and reflections: Memory tablet game
- Exercise 3 and reflections: Word-search and colouring in
- Session reflections
- Homework setting: Multi-tasking in real life

Session 4: Summary

- Ice-breaker: Buzz
- Script for today's session
- Exercise 1 and reflections: Occupations Task
- Session reflections
- Homework setting: Dream job worksheet

Session 5: Bigger Picture Thinking

- Ice-breaker: Zip Zap Boing
- Script for today's session
- Exercise 1 and reflections: 'How to' text to an alien
- Exercise 2 and reflections: London Landmarks
- Session reflections
- Homework setting: Difficult meal time worksheet

Session 6: Switching

- Ice-breaker: Splat
- Script for today's session
- Exercise 1 and reflections: Illusion cards
- Exercise 2 and reflections: Hand tapping game
- Exercise 3 and reflections: Switching in Real Life
- Session reflections
- Homework setting: Experiment with doing things differently

Session 7: Multi-tasking

- Ice-breaker: Slap Clap Click Click
- Script for today's session
- Exercise 1 and reflections: Play-dough multi-task
- Exercise 2 and reflections: Fruit Ninja multi-task
- Session reflections
- Homework setting: Pros and cons worksheet

Session 8: Summary

- Ice-breaker: Multi-coloured ball game
- Script for today's session
- Exercise 1 and reflections: Bigger Picture Squares Task
- Exercise 2 and reflections: Finer Detail Cars Task
- Exercise 3 and reflections: Twisted Fairytale
- Skill summaries
- Homework setting: Flexible thinking mottos

Session 1 – Bigger Picture Thinking

Aim of the Session:

The aim of the session is encourage young people to practice thinking about the bigger picture, rather than focussing on finer details. Relating the skills to real life is also essential and should be done at every opportunity. Specifically, conversations about thinking styles during meal times and thinking styles in regards to recovery can be helpful. It is also a chance for young people and facilitators to explore the pros and cons of both thinking styles.

First 5 minutes - Icebreaker: Body Positioning Game (Message to the Moon) (Facilitator 1)

Aim of Icebreaker:

To encourage group cohesion as communication is essential for the task to be achieved. All young people (and sometimes facilitators depending on numbers) have to be involved, for example, if we are asking them to spell “ITP”, this isn’t just done with three young people. Bigger picture thinking is also needed.

Materials Required:

n/a

Task Instructions:

- As a team, young people are asked to form words using their bodies, whilst standing up
- The words should be readable from a *bird’s eye view*
- All young people
- Five to six words, increasing in difficulty, should be used. We often ask them to spell the same words in both lower case and capitalised. Examples of words we have used previously are:
 - itp
 - ITP
 - BRAIN
 - Brain
 - FLEXIBLE
 - Flexible
 - THINKING
 - thinking

From 5th-10th minute - Introductory Script and Script for Today’s Session (Facilitator 2):

This script is designed to give young people a general idea of what to expect from the Flexible Thinking group and why we think it is helpful for young people with AN. It can sometimes be helpful to repeat this script at the start of other sessions if there are new members of the group.

“This group is to help young people think about their thinking styles. What we know from our experience in the service is that young people with anorexia can become very rigid in their thinking. This might mean that they focus on the finer details, especially in regards to food, get very stuck in routines and find it difficult to make even small changes, for example in their meal plan, where they sit at meal times, the order they eat their food in. Is this something you can relate to?”

“We practice three main thinking skills in this group, Bigger Picture Thinking, Switching and Multi-tasking. The group is like a ‘brain-gym’, similar to the games/apps you can download. Some of the tasks may seem a bit ‘silly’ and ‘just for fun’ but they are all aiming to train specific parts of your brain, to help you think more flexibly. It is important to think about how these skills can then be applied to everyday life, including your eating difficulties.”

“Today we are going to be looking at something called ‘bigger picture thinking’. This is the ability to look at the wider perspective instead of getting stuck at looking at the finer details. We think this is a useful thing to look at because although details can be important, keeping the bigger picture in mind can keep us moving forward.”

From 10th-20th minute - Exercise 1: Complex Figures Task (Facilitator 1)

Aim of the Task:

The aim of the task is to encourage young people to practice thinking in terms of the bigger picture, rather than focussing on the finer details of the image. Describing figures to somebody else who has to draw them is difficult, especially if the tendency is to start with the details. In the task reflection, the aim is for young people to compare their listening and verbal skills and consider whether there is room for improvement.

Materials Required:

Per young person: 1 complex figures pack (set A or set B), clipboard, blank sheet of paper, pen

Task Instructions:

- Split the young people into pairs
- Each person in the pair is given a *different* set of complex figures (see overleaf)
- Each person takes it in turns to describe one of the complex figures for their partner to draw. For the first round, the ‘drawer’ is not allowed to ask questions and both the describer and the drawer are asked to keep their images hidden from each other. No further information is provided about how to draw the figures.

- When each person has described and drawn once, the exercise is repeated and the 'drawer' is given permission to ask questions.
- Once completed, everyone is asked to show their drawings to the rest of the group and the original figures are revealed.

Questions for Task Reflections:

- What did you think of the task?
- Was it easier to be the describer or the drawer? Did anyone develop any strategies?
- Did you describe the finer details of the pictures or were you describing the bigger picture?
- Does the task tell you anything about your thinking style?

From 20th-40th minute - Exercise 2: Blokus or Qwirkle (Facilitators 1 & 2)

Aim of the Task:

Blokus and Qwirkle are board games than can be easily purchased online. As well as encouraging bigger picture thinking, young people are required to be generally flexible and respond to the moves of other players.

Materials Required:

Blokus board game (4 players)

Qwirkle board game (between 2-6 players)

Task Instruction:

- Which game is played is dependent on the number of young people in the group. Blokus must be played by 4 players.
- Usually, with a group of 8 young people, they are split into two groups, each with a facilitator and a different game. It can be helpful to note which young people play which game, in case they repeat the session at a later date.
- Blokus: consists of a board with 400 squares on it. Each player is represented by a different colour and has 21 shapes varying in size. Each player has to fit as many of their pieces on the board as possible, each new piece must touch at least one other piece of the same colour. This game requires bigger picture thinking from the beginning. The game ends when all players are blocked from laying down any more of their pieces.



- Qwirkle: often described as a pictorial version of scrabble. Each participant takes it in turns to place tiles on the board, ensuring that these are either the same shape or colour to the row of tiles they are adding to. You get extra points for being able to fit tiles into more than one row, which is one way 'Bigger Picture Thinking' can be used in this game. The overall aim of the game is to create as many 'Qwirkles' as possible, for which the most points are awarded. This requires keeping the bigger picture in mind. For example, young people must decide if they want to risk putting tiles down, as their opponent may only need one tile to gain a 'Qwirkle'. Further instructions on scoring are provided with the game. If a group of young people are highly competitive, Qwirkle can be a great option for encouraging them to work together, rather than play against each other. Multi-tasking is also required in this game as players are required to hold many rules in mind at once.



Questions for Task Reflections:

- How did everyone find the game? Was it hard or easy?
- Did anyone notice any strategies that worked well/didn't work?
- What skills do we need to have to do this?

Last 5 minutes - Summary/Reflective Discussion and Homework Setting (Facilitator 2)

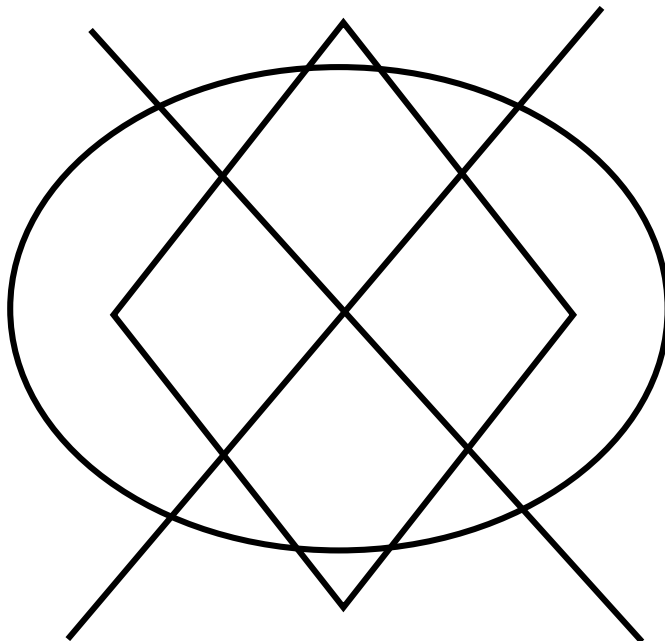
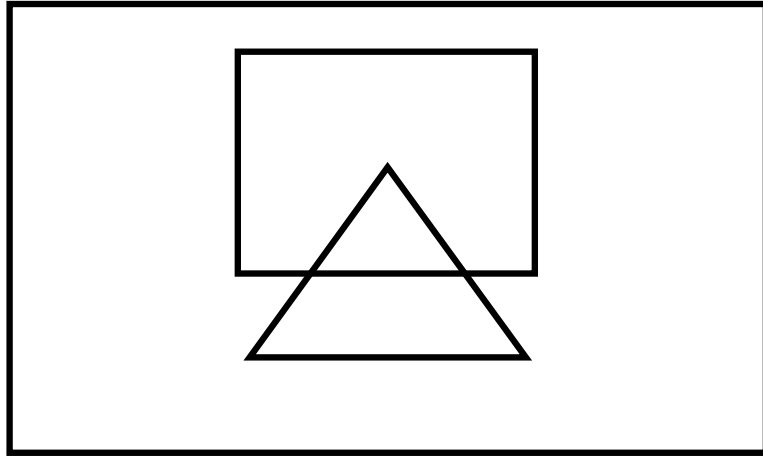
Questions for Session Reflection:

- Do people feel they generally use bigger picture thinking or are you more focussed on the finer details?
- What are the pros and cons of each skill? Which skill can help us in which situations? Do we have any examples from our everyday lives?
- What about in relation to your eating difficulties?

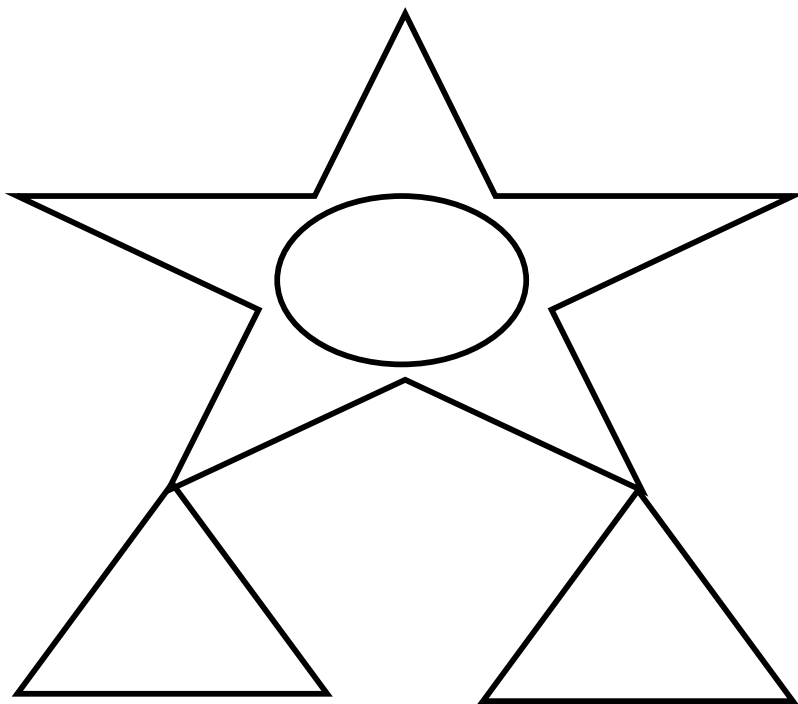
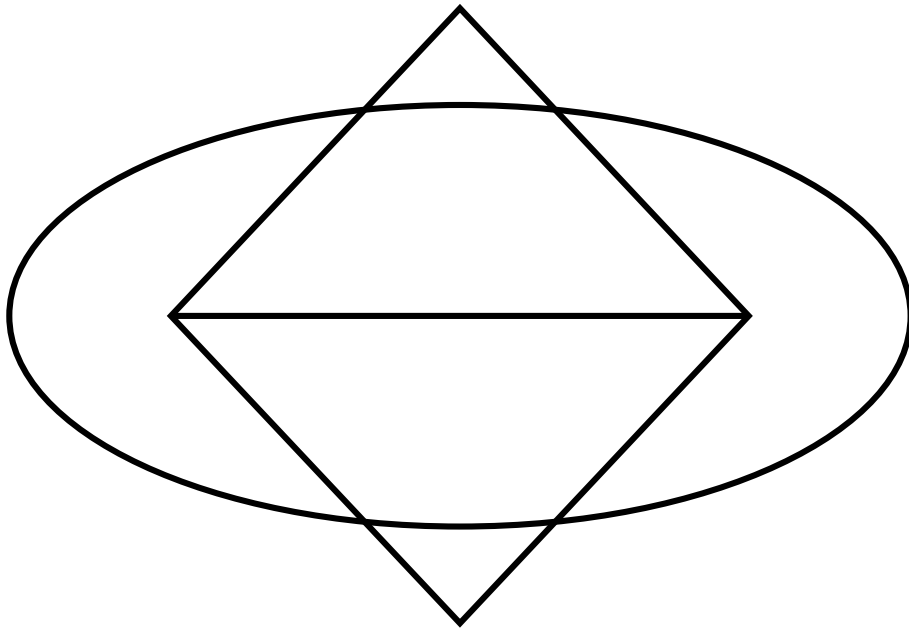
Homework

Young people are given a new set of complex figures (set C) and asked to practice them with someone at home. This is designed to encourage them to share the idea of bigger picture thinking with those they spend a lot of time with (parents, siblings etc.). It can also be helpful to use this task as a way of seeing how young people can communicate to their parents/siblings and vice versa.

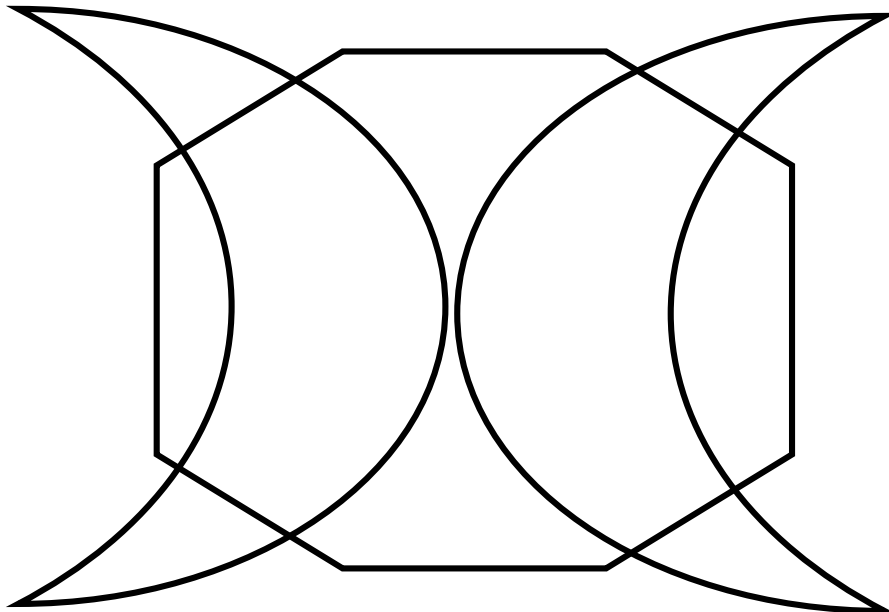
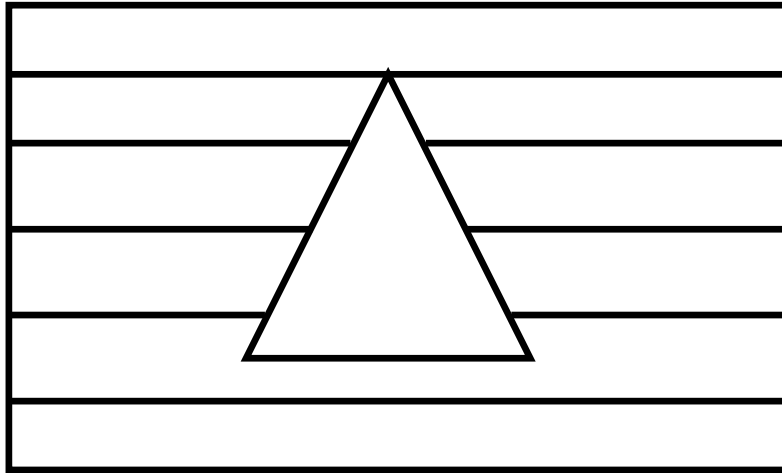
Geometric Figures – Set A



Geometric Figures – Set B



Geometric Figures Set C



Session 2: Switching

Aim of the Session:

The aim of this session is to practice switching attention between two different forms of information.

First 5 minutes – Ice breaker: Doing the Opposite (Facilitator 1)

Aim of Icebreaker:

Simple game to engage members of the group promoting a light-hearted atmosphere.

Materials Required:

n/a

Task Instructions:

- Young people are to do the opposite of what the facilitator says
- Some facilitators may find it helpful to have a list of pre-determined instructions to read out, but this is not essential.
- Examples of instructions to use:
 - walk in a circle clockwise
 - sit down
 - put your hands up
 - stand up
 - step to the left
 - put your right hand out in front of you
 - crouch down

From 5th-10th minute - Reflection on Homework (Facilitator 2):

Questions to ask about last weeks homework:

- Did anyone try the geometric shape task with their parents/siblings?
- How did it go? Was it easier with more practice?
- Have you learned anything from or about your parents/siblings?

From 10th-15th minute – Script for Today’s Session (Facilitator 1):

This is an opportunity to welcome any new members to the group. Ask the existing members of the group to describe the group to the new people. Staff can then ‘fill in the gaps’ with the welcoming script from session 1.

“Last week we looked and bigger picture and finer detail thinking. We have discussed the benefits of using both, but how can we use both? We either need to be able to switch our attention or our thinking style. This is what today’s session will focus on. Can anyone relate what we did in the ice-breaker to this concept?”

From 15th-25th minute – Exercise 1: Illusions (Facilitator 2)

Aim of the Task:

For young people to practice switching how they look at an image and to explore the idea that there may be more than one way to view an image and also situations in everyday life.

Materials Required:

Per young person: a selection of laminated illusions. We have gathered a collection of illusions that we can use. Some of these are real life examples, which particularly engage the young people. We have gained examples from various websites including brainden.com/optical-illusions.html, www.moillusions.com and www.eyetricks.com. Our (and the young peoples) favourite ‘frog’ illusion can be found at the following website: <http://www.boredpanda.com/body-art-illusions-johannes-stoetter/>

Task Instructions:

- Each young person is given an illusion, face down, so that they cannot see it.
- Instructions are given that after a count of 3, they turn over the card and shout out the first things that they see.
- A discussion then evolves about the illusion and what everyone can see.
- Young people are encouraged to be able to ‘switch’ from seeing one side of the illusion to the other
- Repeat for 3 - 4 illusions

Questions for Task Reflections:

- What does this tell us about how our brains?
- When do we have to be able to switch the way we see things in real life?

From 25th-35th minute - Exercise 2 – Stroop (Facilitator 1)

Aim of the Task:

Similarly to the adult protocol, the following tasks aim to train young people to practice switching their attention between different aspects of stimuli or between different rules, quickly and accurately. They are designed to help young people to increase mental control over what they focus their attention on and to increase how easily they can move between ideas and tasks.

The task often evokes an interesting discussion about how our brains, and anorexia, can ‘play tricks’ on us. We often talk about how it must feel to be told that what they are thinking about food/calories/their shape or weight is wrong, not right, or inaccurate. We talk about how easy it is to get involved in “anorexic conversations” and whether that is helpful or not, or whether these kind of conversations in the dining room or around meal preparation can actually cause more problems. We try to get the young people to the place where they can consider an alternative way of thinking, and role play this in the sessions.

Materials Required:

Per pair: One set of hand-outs (see over-leaf)

Task Instructions:

- Young people are put into pairs and given a set of hand-outs.
- One member of the pair completes the stroop task whilst their partner says 'switch'.
- When one hand out has been completed, the pair change roles.
- Complete for other hand-outs:
 - **Pictures:** switch between saying what the picture is and the word that is overlaid in the picture
 - **Colour:** switch between saying what the word actually says and the colour the word is written in
 -
 - **Shapes:** switch between saying the name of the shape and the word which the shape is written in
 - **Number Boxes:** switch between saying the word written in the box and the number of words written in the box
 - **Compass directions:** switch between where the arrow is pointing and saying the opposite compass direction to where the arrow is pointing
 - **Clocks:** switch between saying the times on the clock faces using 24 hour and 12 hour clocks.

Questions for Task Reflection:

- How did everyone find the task?
- Which stroop or switch task was the hardest?
- Did anyone develop any strategies that helped them switch quickly and accurately?

Last 10 minutes – Summary/Reflective Discussion and Homework Setting (Facilitator 2)**Questions for Session Reflections:**

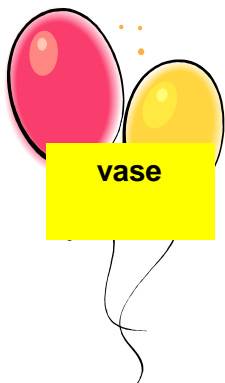
- Do people feel they can use this skill?
- Do we have any examples from our everyday lives? When is it hard to be flexible?

Homework:

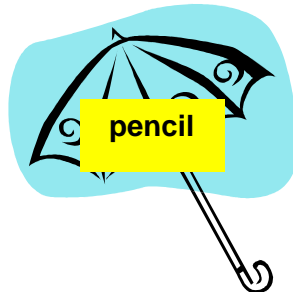
Brain storm on a flipchart what everyone likes to do in their spare time and everyone picks something to try that they have not done before.

Stroop/Switching Pack

Pictures:



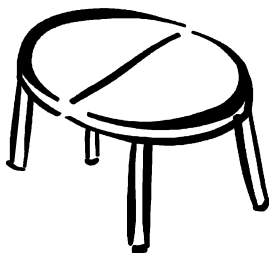
vase



pencil



watch



mobile
phone



balloon

table



telephone



umbrella



chair



book



watering
can



train



Bus



table

Colours:



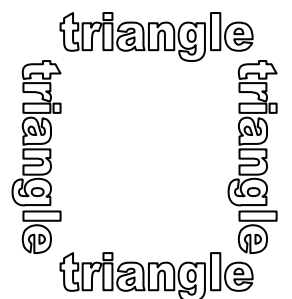
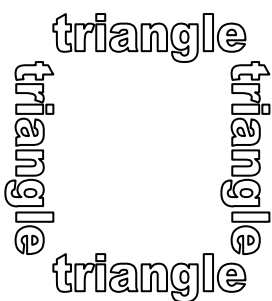
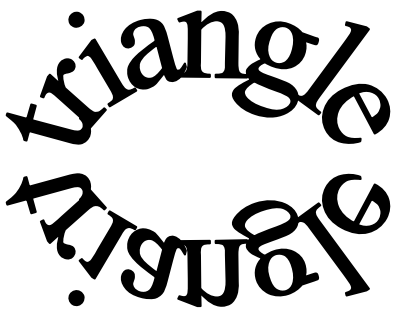
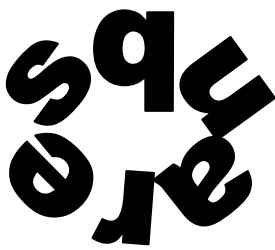
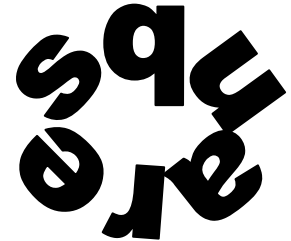
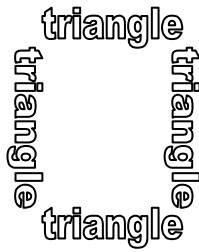
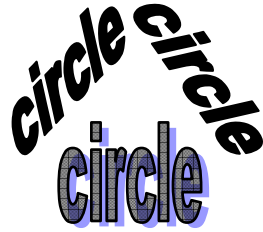
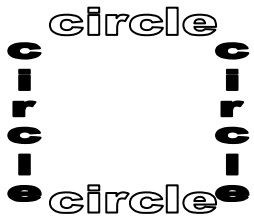
RED	BLUE	GREEN	BLUE	BLACK
YELLOW	GREEN	ORANGE	GREEN	RED
PINK	BLACK	BROWN	YELLOW	GRAY
BLUE	RED	GREEN	PINK	BROWN
ORANGE	BLACK	BLUE	GREEN	RED

RED	BLUE	GREEN	BLUE	BLACK
YELLOW	GREEN	ORANGE	GREEN	RED
PINK	BLACK	BROWN	YELLOW	GRAY
BLUE	RED	GREEN	PINK	BROWN
ORANGE	BLACK	BLUE	GREEN	RED

RED	BLUE	GREEN	BLUE	BLACK
YELLOW	GREEN	ORANGE	GREEN	RED
PINK	BLACK	BROWN	YELLOW	GRAY
BLUE	RED	GREEN	PINK	BROWN
ORANGE	BLACK	BLUE	GREEN	RED

RED	BLUE	GREEN	BLUE	BLACK
YELLOW	GREEN	ORANGE	GREEN	RED
PINK	BLACK	BROWN	YELLOW	GRAY
BLUE	RED	GREEN	PINK	BROWN
ORANGE	BLACK	BLUE	GREEN	RED

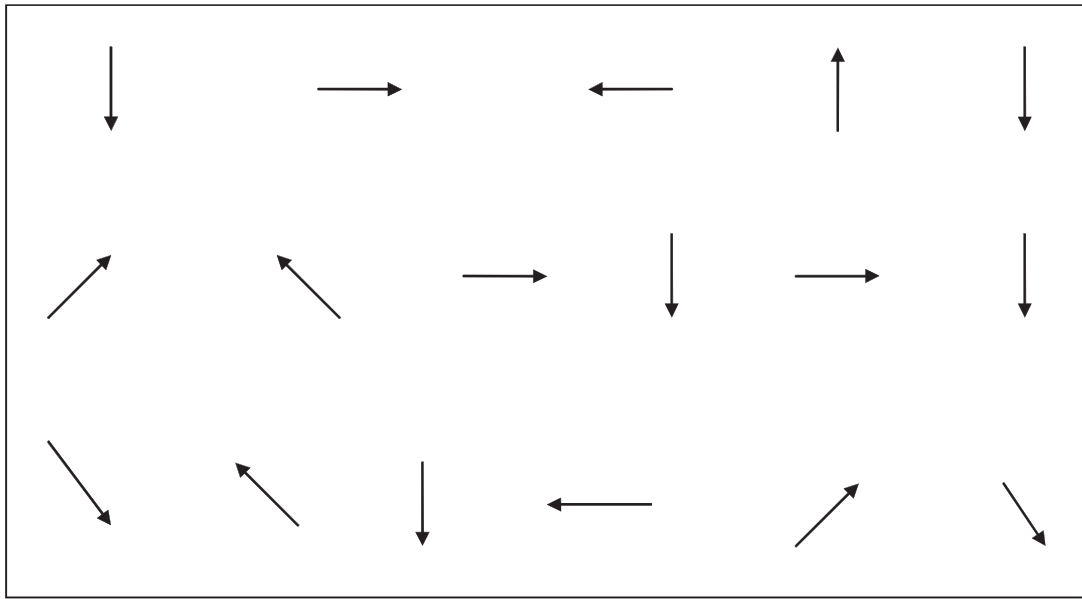
Shapes:



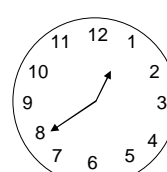
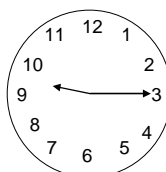
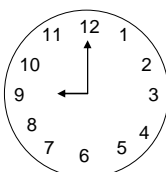
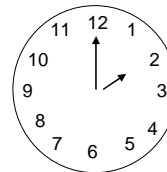
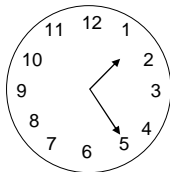
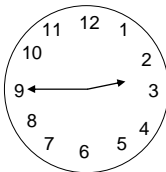
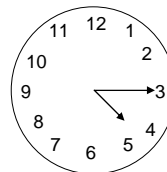
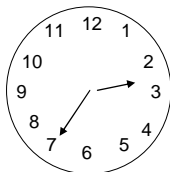
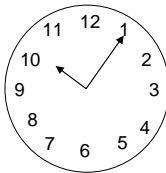
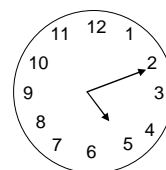
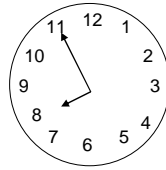
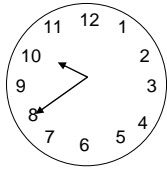
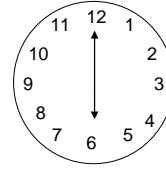
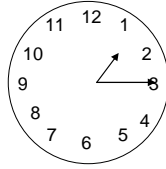
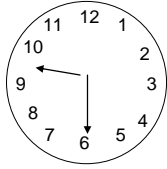
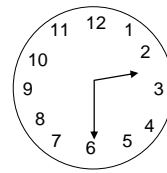
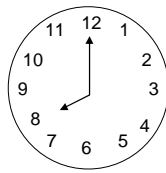
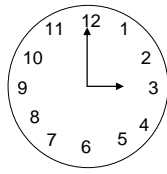
Number Boxes

three three	one one one one	four	two two two	four four	two two two	three
two two two	three	four four	one one one	three three	two two two two	four
one one	two	three three	one one one one	four four	two two two	one one one

Compass Directions



Clocks



Session 3: Multi-tasking

Aim of the Session:

The aim of this session is to introduce the idea of multi-tasking and doing two (or more) things at once. We also aim to generate discussion about multi-tasking at meal times; is this a helpful or unhelpful skill to have?

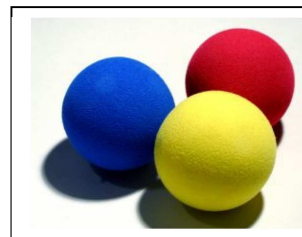
First 5 minutes - Icebreaker – Multi-coloured ball game (Facilitator 1)

Aim of Task:

This is a fun and difficult game that requires concentration. It allows young people to practice multi-tasking and switching. Generally, mistakes are made during this game, which is modelled by the facilitators.

Materials Required:

Three different coloured balls (e.g. Red, Blue, Yellow)



Task Instructions:

- Young people and facilitators stand in a circle
- Throw the red ball between participants around the circle, in a certain order, so that each member of the group is always throwing the ball to and catching from the same person.
- Once a pattern is established, the facilitator asks that when a group member makes eye contact with the person they are about to throw the ball to, they say the colour “blue”.
- Once the group is used to this, introduce the blue ball, but group members must call it “yellow” and throw two balls around the group simultaneously.
- A final yellow ball is introduced which they must call “red”. So all three balls are thrown around the room, saying the colours which they are not.

From 5th-10th minute - Reflection on Homework (Facilitator 2):

Questions to ask about last weeks homework:

- Did anyone try a new pastime?
- How did people find doing something different?
- What other areas of your life could you try and do something differently?

From 10th-15th minute – Script for Today’s Session (Facilitator 1):

Again, this is the opportunity to welcome new members to the group and ask for input from other members to describe the group’s content and purpose. Once this has been completed, the following script may be used to introduce this session.

“Last week we looked at switching from one thing to another which can be tricky, but sometimes we need to hold 2 things in mind at the same time which can be even harder -

multi-tasking. This week we will look at this skill and think about when we can use it in our everyday lives. ”

From 15th-20th minute - Exercise 1 – Drawing ‘invisible’ circles and drawing real infinity signs (Facilitator 2)

Aim of the Task:

Simple and novel exercises to generate a conversation about the difficulties multi-tasking can cause.

Materials Required:

For each young person: two pens, two pieces of paper

Task Instructions:

- Young people are instructed to draw ‘invisible’ circles going forward using their right finger.
- Then they are asked to draw ‘invisible’ circles going backwards, using their left finger
- Now challenged to do both at the same time.
- After a few minutes of practicing, young people are given two pieces of blank paper and two pens
- First, they are asked to draw an infinity sign with their dominant hand
- Following this, they are asked to draw an infinity sign with their left hand
- Then do both at the same time in the same direction
- Then do both at the same time in the opposite direction

Questions for Task Reflections:

- What does this tell us about how our brains deal with managing two things at once?

From 20th – 30th minute – Exercise 2 - Memory Tablet Game (Facilitator 1)

Aim of the Task:

A novel task designed to practice multi-tasking in a different way; listening and playing a game. We are fortunate enough to have resources to use portable computerised tablets for the group tasks. However, any alternative individual game/task (e.g. word search, spot the difference etc.), would be acceptable.

Materials Required:

For facilitator: list of words (see example)

Per young person: portable computerised tablet or individual game/task, blank piece of paper and a pen

Task Instructions:

- Give each young person a tablet and tell them to play whatever game they want out of the selection available (examples are fruit ninja, temple run, candy crush)
- After a few minutes, facilitator starts reading out a list of 30 random words, which the young people are asked to remember
- After the list of words has been read out, ask the young people to write down what they can remember

Questions for Task Reflections:

- How did everyone find it?
- Was it hard or easy? When did it get harder?
- Did anyone notice any strategies that worked well/didn't work?
- What skills do we need to have to do this?
- When do we have to do this in everyday life?

From 30th–35th minute – Exercise 3 – Word Search and Colouring in (Facilitator 2)**Aim of the Task:**

This task is designed to practice multi-tasking in a novel way.

Materials Required:

Per young person: worksheet with a small word search on one side of the page and a small colouring in image on the other (see overleaf)

Task Instructions:

- Young people are asked to complete both tasks at the same time (one with each hand)

Questions for Task Reflection:

- How did everyone find the task?
- Which task did you find easier?
- Did anyone feel under more pressure to get one side 'right' more than the other?

Last 10 minutes – Summary/Reflections on Session and Homework (Facilitator 1)**Questions for Session Reflection:**

- What skills have we used in today's tasks?
- Do people feel they can use this skill?
- Do we have any examples from our everyday lives? When is it hard to multi-task?
- Is being able to multi-task at meal times helpful or unhelpful?

Homework

From the ideas that have already been generated, each young person chooses a specific everyday example of 'multi-tasking' to practice. Young people should be encouraged to practice multi-tasking at meal times, but are able to choose a non-food related example. Facilitators make a note of what each young person chooses

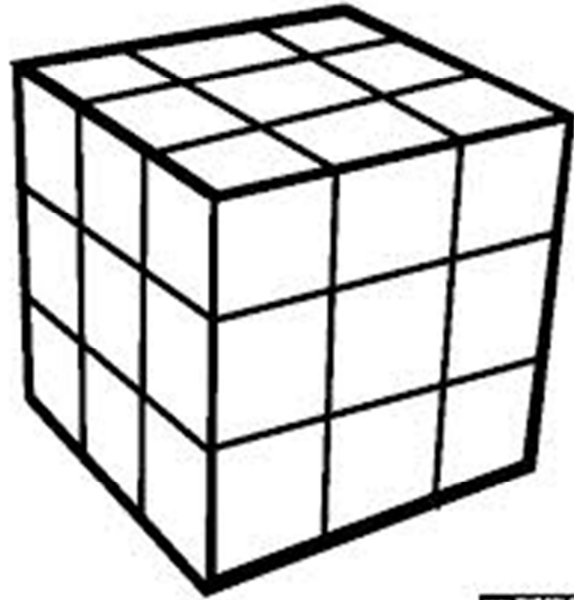
Word Search and Colouring in Task

Fairy Word Search



WINGS
FAIRY
MAGIC
CASTLE
FLOWERS

WAND
TOADSTOOL
BUTTERFLY
SPARKLY
QUEEN



Session 4: Summary of Skills Learnt

Aim of the Session:

This session summarises and consolidates the skills learnt in the previous sessions. It's also an opportunity to increase motivation to experiment with different thinking skills.

First 5 minutes – Ice Breaker - Buzz (Facilitator 1)

Aim of the Task:

Fun adaptation of the popular childhood maths game 'Buzz'. The game has switching and multi-tasking components and requires concentration.

Materials Required:

n/a

Task Instructions:

- Young people and facilitators stand in a circle
- Begin to count, in turn, to 30
- Once this has been completed, begin counting to 30 again, replacing multiples of three with the word 'buzz'.
- For the next round, multiples of 5 are replaced with a clap. As the previous rule for multiples of 3 remains, some numbers will require a "Buzz-clap" e.g. 15
- For the final round, multiples of 4 are replaced with a stamp. Again, the previous rules for multiples of 3 and multiples of 4 are in place. Therefore, the last time should correctly sound like this:
"One" "Two" "Buzz" *Stamp* *Clap* "Buzz" "Seven" *Stamp* "Buzz" *Clap*
"Eleven" "*Buzz-Stamp*" "Thirteen" "Fourteen" "*Buzz-Clap*" *Stamp*
"Seventeen" "Buzz" "Nineteen" *Clap-Stamp* "Buzz" "Twenty Two" "Twenty Three" "*Buzz-Stamp*" *Clap* "Twenty Six" "Buzz" *Stamp* "Twenty Nine" "*Buzz-Clap*"

From 5th-10th minute – Reflection on Homework (Facilitator 1)

Questions to ask about last weeks homework:

- Did anyone practice multi-tasking this week?
- Did you notice anything? Did it become easier with practice?

From 10th – 15th minute - Today's Session Script (Facilitator 1):

Again, this is the opportunity to welcome new members to the group and ask for input from other members to describe the group's content and purpose. Once this has been completed, the following script may be used to introduce this session.

"We thought we would spend today reflecting on what we have learnt from the Flexible Thinking Group so far and how the skills may be useful in everyday life. Can anyone tell me what thinking skills we have been practicing?"

From 15th-40th minute - Exercise 1 - Occupations Task (Facilitator 2)

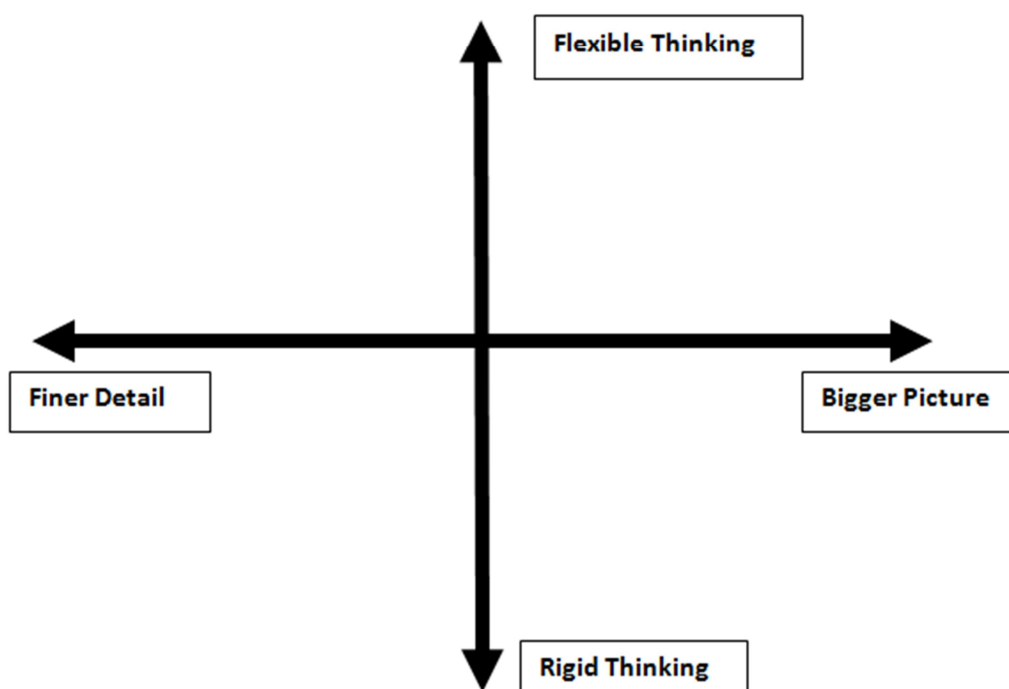
Aim of the Task:

There is a similar task in the adult protocol, however it has been adapted. It allows young people to explore the idea of 'Flexible Thinking' and how this may be useful in future life. It also revisits the idea of Bigger Picture and Finer Detail thinking. This continuum was chosen due to qualitative feedback that this is the most helpful skill in the group. The overall aim is for young people to realise the value of all different styles of thinking and that most occupations require a combination. We also want this session to be motivational by asking young people what thinking styles are needed in their dream job. We also want them to acknowledge the thinking style of 'anorexia'.

Materials Required:

For facilitator: Blu tack, flip chart with the continuum below drawn, and pen

Per young person: 'Random' job flashcard and a 'fun' job flashcard (see overleaf)



Task Instructions:

- "Today's task is going to explore what type of thinking styles are used by different people.
- "We are going to look at different jobs and think about what skills the person doing them would need and plot them on this axis."
- Firstly, give each young person a 'random' job flashcard
- Each young person takes it in turn to plot their 'random' job on the axis, whilst giving an explanation for their reasons (see examples overleaf)
- Group discussion is encouraged, with facilitators asking if others agree and also giving their own opinions. At the end, occupations should be scattered across the axis.

- Next, give each young person a 'fun' job. Again, group discussion is encouraged (see examples overleaf)
- Following this, ask each young person to write their own 'dream job' on to the axis.
- The group are then asked to plot 'anorexia' and their 'ideal therapist' onto the axis. Usually, young people are able to see that anorexia is very rigid and very finer detail focussed; more so than any other occupation they have plotted.
- Finally, they are asked to think about where they would put themselves currently on the axis, but they are not asked to share this.

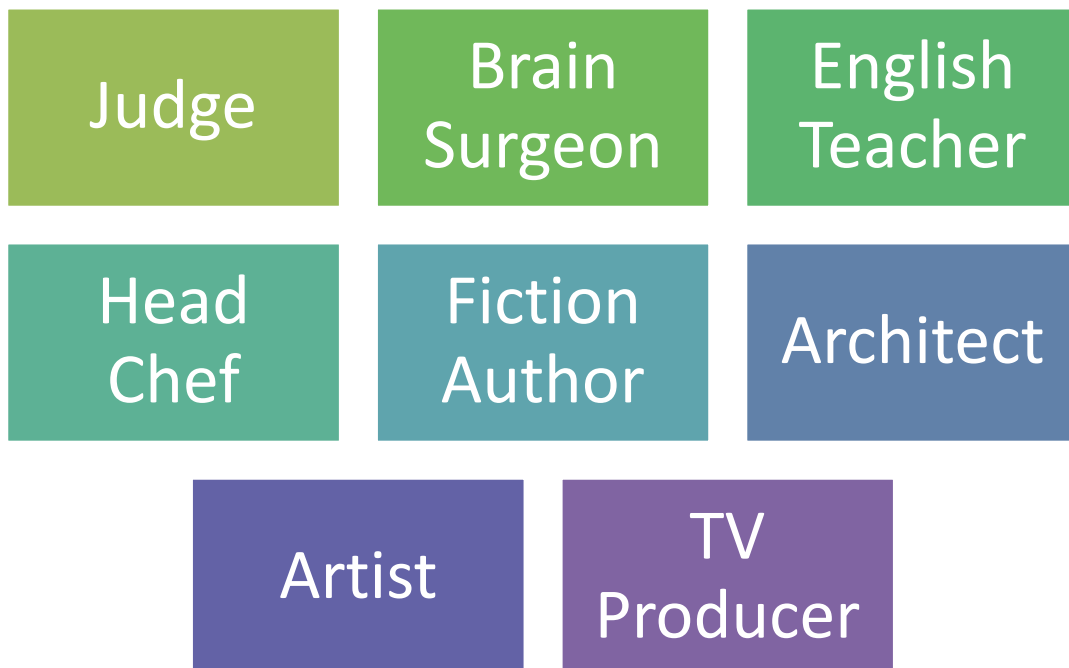
Questions for Task Reflections:

- What does this tell us about the different thinking styles we have learnt about?

Last 5 minutes – Homework Setting (Facilitator 1)

Issue each young person with a 'My dream job' worksheet to complete.

'Random' Job Flashcards



'Fun' Job Flashcards

Simon Cowell

Andy Murrey

Alan Sugar

One Direction
Extreme Fan
(Directioner)

Beyonce's
Stylist

Nigella
Lawson

Prince William

The Prime
Minister

Anorexia and Therapist Flashcards

Anorexia

Ideal
Therapist

My Dream Job Homework Sheet

My dream job is: _____

The thinking styles needed for this job are:

(Flexible/Rigid, Bigger picture/detail focussed, switching between rules? Multi-tasking?)

My current thinking styles are:

(Flexible/Rigid, Bigger picture/detail focussed, switching between rules? Multi-tasking?)

How I can practice the thinking styles I need for my dream job:

Session 5: Bigger Picture Thinking

Aim of Session:

This session aims to revisit the concept of bigger picture thinking and allow practice of using this skill again, with different exercises. The homework task is designed to make young people think about how the skills they are practicing in session can help with their eating difficulties.

First 5 minutes - Ice Breaker – Zip Zap Boing (Facilitator 1)

Aim of Icebreaker:

Fun game to engage young people in the group. Requires concentration.

Materials Required:

n/a

Task Instructions:

- Whole group stands in a circle
- Saying the word 'Zip' aloud is passed around the circle in one direction by one player pointing to another player and saying 'zip'
- At any time, any player can say 'zap' to the person pointing at them, which leads to the travelling 'zip' changing direction
- A third rule may be introduced where any person receiving a 'zip' or 'zap' may choose to shout 'boing' and point at someone anywhere in the circle. That person then restarts the 'zip' going in the direction of their choice.

From 5th-10th minute – Reflection on Homework (Facilitator 2)

Questions to ask about last weeks homework:

- Did everyone complete the 'dream job' worksheet?
- Did anyone have any other thoughts about it that we did not talk about last week?
- Did anyone come up with any good ideas how they can practice the thinking skills that they need for their dream job?

From 10-15th minute – Script for Today's Session (Facilitator 1)

Again, this is the opportunity to welcome new members to the group and ask for input from other members to describe the group's content and purpose. Once this has been completed, the following script may be used to introduce this session.

"Today we're going to re-visit the idea of 'Bigger Picture thinking' Sometimes it can be helpful to think about your life like a film. There are the swooping wide angle shots and the intimate detailed close ups, with different aspects of your life having different focal lengths. On a day to day basis our attention is often focussed on the finer details, e.g. how we are going to get from A to B and B to C. This can be a good thing sometimes as it gets things

done. However, sometimes it is really important to take a step back. It is very easy to get wrapped up in the little steps without ever thinking about where you're really heading. We think this is important to think about when talking about anorexia. It's rare that everything is fine one day and then the next day people get stuck in rituals, or eating in a certain way or at a certain time, but it's often not until you're stuck in a pattern or rut that you realise it's gone too far and unpicking it gets harder and harder. If your life feels like you are constantly running on a treadmill but you never really get anywhere, you might find it hard to see beyond the present moment. But the problem with that is, if you stay caught up in the details, seeing the reason for changing small behaviours can be impossible. By taking a mental step back, you can start to think about how making small incremental changes can start to help you move forward."

From 15th – 30th minute - Exercise 1 – ‘How to’ Text to an Alien (Facilitator 2)

Aim of the Task:

This task aims to practice communicating an idea in a brief way. The tendency for a lot of young people is to go into a lot of detail when explaining something, but sometimes this can be impractical in our everyday lives. This task can help young people to think about the main points of what needs to be explained and hence brings awareness of the bigger picture.

Materials Required:

Per pair: "How To" Flashcard

Task Instructions:

- Put young people into pairs and give each pair a flash card with a different task on it
- "Imagine that you are sending a text to an alien, explaining the task that is written on the flashcard in front of you. Try not to let the other pairs know what you are doing."
- When the young people have finished, ask them to now explain the task in 10 words
- When they have done that, ask them to explain it in 3 words.
- Ask each team to say their three words and see if the rest of the group can guess what the task is

Questions for Task Reflections:

- How did everyone find it?
- Was it hard or easy?
- Did anyone notice any strategies that worked well/didn't work?
- What skills do we need to have to do this?

From 30th – 40th minute - Exercise 2 – London Landmarks (Facilitator 1)

Aim of Task:

Again, this task aims for young people to be able to practice describing something in terms of the bigger picture.

Materials required:

Per young person: a different "London Landmark" sheet (see overleaf)

Task Instructions:

- Each young person is given a picture of a London landmark
- They are asked to describe the landmark to the rest of the group using only 3 words.
- They are not allowed to use the words at the bottom of the picture.
- The rest of the group has to guess what they are describing

Questions for Task Reflections:

- How did everyone find it?
- Was it hard or easy?
- Did anyone notice any strategies that worked well/didn't work?
- What skills do we need to have to do this?

Last 5 minutes – Summary/Reflections on Session and Homework (Facilitator 2)

Questions for Session Reflection:

- Do people feel they generally use bigger picture thinking or are you more focussed on the finer details?
- What are the pros and cons of each skill? Which skill can help us in which situations? Do we have any examples from our everyday lives?
- What about in relation to your eating difficulties?

Homework:

'Think about a difficult meal time' worksheet (if they find meal time too difficult at this stage, think about another challenging time). The work sheet asks young people to firstly observe the type of thinking style they used during this difficult meal time and then to consider alternative thinking styles that may have helped them. The worksheet also asks them to consider what would help them to implement different thinking styles and what may be difficult about this. Young people are then asked to try to implement different thinking styles at their next difficult meal time.

'How to' Flashcards

How to make a
cup of tea

How to plan
an event on
Facebook

How to plan
an outfit for a
party

How to order
a drink at
Starbucks

St Pauls Cathedral



Church - Old - White

Big Ben



Clock - Tall - Time

London Eye



Big - Thames - Wheel

London Zoo



Animals - Cage - Walk

The Gherkin



*Tall - Shape -
Vegetable*

The Shard



Glass - High - New

Tower Bridge



Thames - Open - Old

Harrods



*Shop-Expensive-
Knightsbridge*

'Difficult Meal Time' Worksheet



Detail Focused Thinking



Bigger Picture Thinking

Think about a difficult meal time...

What thinking style/s do you notice that you use during difficult meal times?
(e.g. Focused or stuck on details? Rigid thinking? Other thinking styles?)

What thinking styles might be more helpful to use at these times?

(e.g. Standing back and looking at the bigger picture? Flexible thinking? Other thinking styles?)

What could I do to help me use these helpful thinking styles during difficult meal times?

What might be difficult when trying to use these helpful thinking styles during difficult meal times?

What can I do if this happens?

Now let's give it a go...

Session 6: Switching

Aim of Session:

To revisit the idea of switching. Exercises aim to practice switching attention from one thing to another; and to notice the rules that we follow and our opinions.

First 5 minutes – Ice Breaker - Splat (Facilitator 1):

Aim of Icebreaker:

Fun drama game to practice switching and engage young people in the group. Requires concentration and improves reaction times.

Materials Required:

n/a

Task Instructions:

- Young people and facilitators stand in a circle and shoot at each other with imaginary guns.
- One person stands in the middle of the circle and shoots at someone standing in the circle whilst saying 'splat!'
- The person who has been 'splat' at, must duck to avoid getting shot.
- The players on either side of the shot person must shout 'splat' and shoot at each other.
- One of the following then occurs:
 - The shot person fails to duck in time so is shot and is then out
 - The last of the players on either side of the shot person to say 'splat' is out
 - Shot player ducked in time and both shooters said 'splat' simultaneously. No-one is out and the play continues
- If someone accidentally shoots or ducks when they are not supposed to, they are also out.
- Once a player is out they have to sit out of the game. The players next to them now have a different player next to them and must react to them being shot.
- When only two players remain, they must stand back-to-back in the centre of the circle.
- The person in the middle of the circle now starts to say things that sound similar to 'splat' eg. 'split' 'splodge' 'slop' etc. On each of these words the two remaining players take a step forward. Only when the person says 'splat' can they turn around and 'splat' each other.

From 5th-10th minute – Homework Reflection (Facilitator 2):

Questions to ask about last weeks homework:

- How was the experiment?
- Were you able to notice what thinking style you were using?

- Was it a helpful thinking style for this situation? If not, were you able to choose a more helpful thinking style?
- What have you learned from this experiment?

From 10th-15th minute – Script for Today’s Session (Facilitator 1)

Again, this is the opportunity to welcome new members to the group and ask for input from other members to describe the group’s content and purpose. Once this has been completed, the following script may be used to introduce this session.

“Today we are going to revisit the skill of ‘switching’. This can apply to many different things including the rules that we abide by, the behaviours we engage in, how we see things and the opinions we have.”

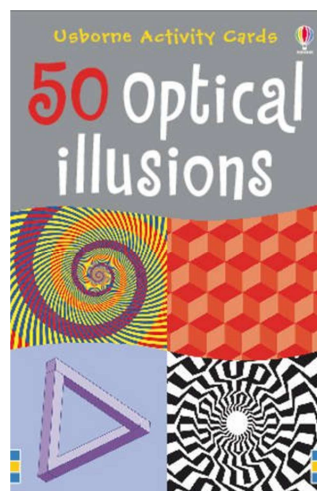
From 15th-25th minute - 13.55 - Exercise 1 – Illusions (Facilitator 2)

Aim of Task:

Generate conversation about how our brain can sometimes ‘trick’ us into seeing something that is not there and how we can apply this to AN and other difficulties.

Materials Required:

Illusion cards: “50 optical illusions” by Usborne Activities, available to purchase online.



Task Instructions:

- “Let’s look at our abilities to be flexible and switch the way we see things”
- Split young people into pairs/groups and give them a selection of 5-6 illusion cards
- Ask them to work through the illusions in their pair/group and to think about how ‘switching’ or ‘rule changing’ is being used. The ‘answer’ to the illusion is on the back of the card.
- Each pair/group to pick their favourite and present to the rest of the group

Questions for Task Reflections:

- How did everyone find it?
- Were some illusions easier to figure out than others?

- What does this tell us about how our brains work?
- Are there any real-life situations this can be applied to?

From 25th-35th minute - Exercise 2 - Hand tapping game (Facilitator 1)

Aim of Task:

The aim of the task is to practice switching between different rules, quickly and accurately.

Materials Required:

n/a

Task Instructions:

- Young people and facilitators sit in a circle, either on the floor or around a table
- Everyone places their left hand on the floor
- Everyone places their right hand over the left hand of the person next to them, on the floor. Hence, everyone should have a hand from each neighbour in between their own hands.
- The lead facilitator chooses the direction (e.g. clockwise) for a single tap on the floor to be 'passed' around the circle (the tap travels in the order of the hands placed on the floor)
- A single tap indicates for play to continue to the next hand.
- After a few minutes and when the tap is being passed at speed, a new rule is added; two taps of the same hand signals a change in direction of the 'tap'.
- Again, after a few minutes and the play is at speed, a new rule is added; three taps of same hand leads to the next hand 'missing a go'.
- To see the game in action, please see the link below:
<http://www.youtube.com/watch?v=DHMxfA2OivI>

Questions for Task Reflection

- How did everyone find it?
- Was it hard or easy?
- Did anyone notice any strategies that worked well/didn't work?
- What skills do we need to have to do this?
- When do we have to do this in everyday life?

From 35th - 45th minute – Exercise 3 - “Switching in real life” (Facilitator 2)

Aim of Task:

Qualitative feedback from young people indicated that they wanted sessions to relate more to real life. This exercise aims to do that, by practicing switching from one opinion to an alternative. This also practices theory of mind. Difficult but helpful conversations can often arise during this task.

Materials required:

List of pre-determined real-life situations (see overleaf)

Task Instructions:

- “Being able to ‘switch’ your attention from one thing to another or ‘switching’ your view of a situation can be helpful in real life. I’m going to read out statements and can you tell me what an alternative would be”
- If young people struggle to come up with an alternative, it can be useful to ask them to think about what they would say to a friend if they came to them with this difficulty.

Questions for Task Reflections:

- Does this exercise help people to think about how they can use switching in everyday life?
- Can anyone think of any other examples?

Last 5 minutes - Homework (Facilitator 1)

Hand out list of experiments. The following script can be helpful to explain the benefit of trying something new:

“We all have habits and routines to some extent. Doing things in a certain way or order, at a particular time and keeping things in a certain place, can be very helpful in our everyday lives. They allow us to function on ‘autopilot’ and get things done. However, people who struggle to think flexibly can become very stuck in their routines and there can be negatives to this. Rigid thinking can get in the way of trying something new, finding out there is a better way to do something and disruptions to routines can make people very distressed. Quite often people don’t realise that their habits are a problem until something new arises which they feel they cannot do. For example have a spontaneous meal out with friends, or enjoy a particular food at a special occasion because it’s not on the meal plan etc. This homework is designed to help you to start thinking about the routines you are stuck in. Some tasks are fairly ‘easy’ such as changing your profile picture on Facebook, others are more difficult such as trying a new snack. There is also space for you to add in your own ideas. Try to complete as many challenges as you can by our next session.”

We find it is helpful to add an element of competition to see who can try to do the most things differently by the next session.

Switching in Real-Life Exercise

1. My mum is trying to make me fat
2. Looking in the mirror at the parts of me I dislike
3. Everyone’s looking at me
4. No one likes me
5. Focussing on the calories in the food I’m eating
6. I am fat
7. I’ll never have a romantic relationship
8. I’m going to fail all of my exams

Homework – List of experiments

Things I can try to do differently:

Look at the list below of ideas of things you can do differently. They are listed by difficulty level. Try to keep challenging yourself! Put a tick in the box of any that you try. There are some spaces for you to fill in of ideas you have too.

Hard

- ☐ Choose a snack I have not tried before
- ☐ Eat my snack in a different order
- ☐ Choose to behave differently in a difficult situation and see if the response I get changes.
- ☐ Use my compassionate voice instead of my critical voice#
- ☐ Rearrange my whole bedroom
- ☐ _____
- ☐ _____

Medium

- ☐ Put on my clothes in a different order in the morning
- ☐ Do things in a different order in the morning (eg. Breakfast, then get dressed)
- ☐ Put my make-up on in a different order
- ☐ Read a newspaper/magazine from the back to the front
- ☐ Sit in a different seat (eg. On the bus, in living room)
- ☐ Go to bed at a different time
- ☐ Start and persevere with a new hobby
- ☐ _____
- ☐ _____

Easy

- ☐ Change my profile picture on Facebook
- ☐ Change the background of my phone
- ☐ Change my ringtone
- ☐ Brush my teeth with my non-dominant hand
- ☐ Paint my nails a different colour
- ☐ Wear my hair differently
- ☐ Wear non matching socks
- ☐ Use the TV remote with a different hand
- ☐ Watch a new TV programme
- ☐ Wear my watch/jewellery on the other wrist
- ☐ Take a different route to ITP
- ☐ Create a new playlist on my ~~ipod~~/phone and listen to it
- ☐ Use a different shower gel/shampoo
- ☐ Only moisturise one half of my body
- ☐ Download and use a new app
- ☐ Wear new makeup/my make up differently
- ☐ Move a small piece of furniture in your room

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Session 7: Multi-tasking

Aim of Session:

This session aims to revisit the skill of multi-tasking and practice it.

First 5 minutes – Icebreaker Slap Clap Click Click (Facilitator 1)

Aim of Icebreaker:

To engage young people in the group as it requires concentration. Contains elements of switching, multi-tasking and being flexible in general by having to respond to the previous player's answer.

Materials Required:

n/a

Task Instructions:

- This is a word association game that is played whilst sat down in a circle
- Facilitators start off by setting a steady rhythm: slapping both hands on knees, clap, clicking their right hand (on its own) and clicking their left hand (on its own).
- On each click a word is said. The first click is the word said by the previous person on their second click.
- The second click is the 'new' word that is freely associated with the word on the first click.
- For example if the person starting the game says "hot" the next person in the circle would say "hot" on the first click and perhaps free associate with this to be "sun" on the second click. The next player might say "Sun, Sand" and so on.
- As an interesting 'switch' we then ask young people to complete the task again but this time the word on the second click is not at all related to the first word.

From 5th-10th minute - Reflection on Homework (Facilitator 2):

Questions to ask about last weeks homework

- Did anyone try any of the suggestions on the list?
- How did people find doing something different? Did anything bad happen?
- Will you continue to do this thing differently or will you go back to the way you were doing it?
- What other areas of your life could you try and do something differently?

From 10th – 15th minute – Script for Today's Session (Facilitator 1):

Again, this is the opportunity to welcome new members to the group and ask for input from other members to describe the group's content and purpose. Once this has been completed, the following script may be used to introduce this session.

“Last week we looked at switching from one thing to another which can be tricky, but sometimes we need to hold 2 things in mind at the same time which is even harder - multi-tasking. This week we will look at this ability and think about when we can use it in our everyday lives.”

From 15th – 25th minute - Exercise 1 – Play dough multi-task (Facilitator 2)

Aim of Task:

To practice multi-tasking by having to follow instructions and do something else at the same time.

Materials Required:

Facilitator: list of pre-determined instructions (see-overleaf)

Each young person: play-dough (enough to make something out of)

Task Instructions:

- Young people are asked to start walking around the room
- “Make a model of a cat, as detailed as possible (whiskers, eyes, nose, tail, ears, fur), whilst listening and following my directions”
- The instructions, read out by a facilitator, are designed to increase in difficulty

Questions for Task Reflection:

- How did you find the task? What was the most difficult instruction to follow?
- Which task were you most focussed on? What was more important to you; making a ‘good’ cat or following the instructions correctly?
- What does this tell us about how our brains deal with managing two things at once?

From 25th-25th minute – Exercise 2 – Fruit Ninja multi-task (Facilitator 1)

Aim of Task:

To practice multi-tasking through listening and playing a game.

Materials Needed:

Facilitator: song ‘Diamond’ by Rihanna and a way to play this to the whole group

Each young person: portable computerised tablet with the game ‘Fruit Ninja’ downloaded OR any other game/task e.g. word-search, cross-word, Sudoku, spot the difference etc.

Task Instructions:

- Each young person is given a portable computerised tablet and instructed to play Fruit Ninja (or given alternative activity)
- After everyone has been playing for a few minutes, the following instructions are given “I’m now going to play a song. I want you to carry on playing Fruit Ninja but count how many times Rihanna sings or says the word ‘Diamond’”.
- Play the song
- When the song is finished, ask everyone for their guesses (the correct answer is 37)
- To continue to practice multi-tasking, young people can continue to play the fruit-ninja game during the questions for task reflection.

Questions for Task Reflection:

- How did everyone find it? Was it hard or easy? When did it get harder?
- Did anyone notice any strategies that worked well/didn't work?
- Did people who were more accurate with their guess do well in the game?
- Did people who were less accurate with their guess do well in the game?

Last 10 minutes – Summary/Reflections on Session and Homework (Facilitator 2)

Questions for Session Reflection:

- Do people feel they can use this skill?
- Brain storm on the flip chart how we can use multi-tasking in everyday life
- When is it hard to multi-task?

Homework:

“Next time we will be thinking about what we have learned so far in flexible thinking. To start thinking about it we want you to complete the ‘Pros and Cons’ of Flexible Thinking Worksheet”

List of Pre-Determined Instructions

- Walk round in a circle anti-clockwise
- Walk round in a circle clockwise
- Stop walking and stand on one leg
- Walk around the room
- Hop in a circle
- Sit down on a chair
- If your birthday is in the first half of the year stand by the window. If your birthday is in the second half of the year stand by the door
- Walk around the room
- Line up in height order without speaking to each other
- Walk in a circle anti-clockwise
- Get into groups of 4
- Get into groups of 3
- Get into pairs
- Line up in order of birthdays – (i.e. those born in January at the front, December at the back)

Pros and Cons of Flexible Thinking Homework

Flexible Thinking

Bigger Picture Thinking

Pros	Cons

Finer Detail Thinking

Pros	Cons

Flexible Thinking

Pros	Cons

Rigid Thinking

Pros	Cons



Session 8: Summary of Skills Learnt

First 5 minutes – Ice breaker – Multi-coloured ball game (Facilitator 1)

See description in session 3.

From 5th-10th minute – Script for Today's Session (Facilitator 2):

“Today is a ‘round up’ session for those of you who have been to the group quite a bit and an ‘introduction’ for those of you who are a bit newer. We are going to practice all of the skills that this group targets and think about how these can apply to everyday life. We’ve already done multi-tasking and switching in the ice breaker!”

From 10th-15th minute – Exercise 1 - Bigger Picture Squares Task (Facilitator 2)

Aim of Task:

The aim of this task is for young people to use both bigger picture thinking and finer detail thinking. They will need to be able to switch between both in order to get the correct answer.

Materials Required:

Per young person: laminated ‘square’ hand out (see overleaf)

Task Instructions:

- Give each young person in the group a print out of ‘the square’
- Give them a few minutes to count how many squares they can see
- Have a group discussion about the number of squares (the correct answer is 40)

Questions for Task Reflections:

- How did people find the task?
- Is it easy to see the bigger picture?

From 15th-20th minute – Exercise 2 – Finer Detail Cars Task (Facilitator 1)

Aim of Task:

This is the only task that practices ‘finer detail’ thinking. It’s an opportunity to demonstrate to young people how good they are at this. Generally, they find the correct answer a lot quicker than the facilitators and enjoy doing so. This generates an interesting conversation.

Materials Needed:

Per young person: Car spot the difference hand-out (taken from the book ‘Left brain/right brain; 50 puzzles to change the way you think’ which is available to purchase from www.puzzlesociety.com). The print out is of nine images of the same car, but only two are actually identical. Alternatively, any difficult spot the difference may be used.

Task Instructions:

- Give each young person in the group a print out of the ‘car’ task

- Give them a few minutes to find the ones that match. The correct answer can be found in the back of the book.

Questions for Task Reflections:

- How did people find the task?
- Was it easier or harder than the squares task?
- What does this tell us about your brain/anorexia?

From 20th-30th minute – Exercise 3 – Twisted Fairy Tale (Facilitator 2)

Aim of Task:

The aim of this task is to demonstrate that young people are able to ‘switch’ a story that they have been told all their lives. This task also practices bigger picture thinking, as young people are only given a few minutes to tell the basic outline of a story that they could relay in great detail.

Materials Required:

Per pair: blank paper and a pen

Task Instructions:

- Split young people into pairs and ask them to write the basic outline of a fairy tale of their choice. If they cannot think of one, give a well-known example, for example Cinderella, Little Red Riding Hood, Sleeping Beauty, Snow White and the Seven Dwarves.
- Ask each pair to read their outline to the rest of the group
- Then ask each group to ‘twist’ the fairy tale and tell it from the point of view of the villain. “I want you to make me feel really, really sorry for them”
- Each pair then reads out their ‘twisted fairy tale’

Questions for Task Reflection:

- How did people find this task?
- Is it something you’ve ever considered before?
- If you’re able to ‘switch’ something you have been familiar with for most of your life, do people feel more confident in being able to switch other things?

From 30th-40th minute - Skill Summaries (Facilitator 1)

Aim of Task:

To utilise what each person has thought about for homework (the pros and cons of flexible thinking) and work as a team to complete a mini-presentation.

Materials Needed:

Per group: blank paper and pens

Task Instructions:

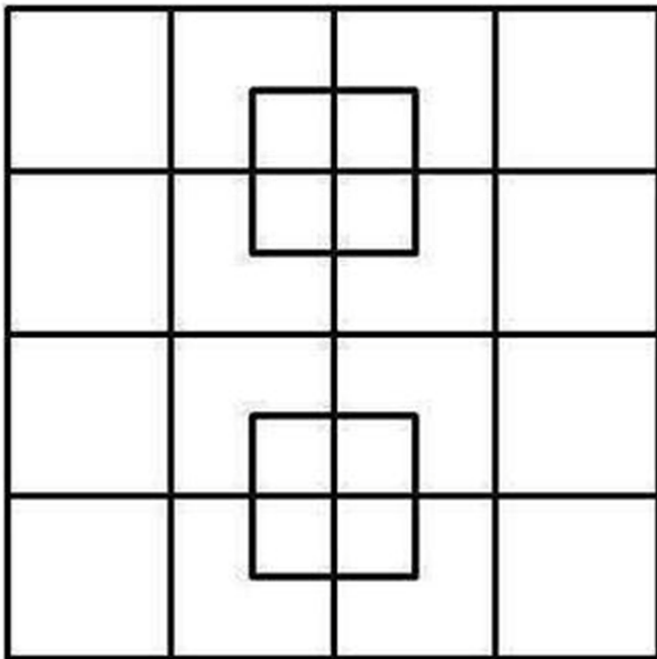
- Split young people up into groups: “Bigger Picture” “Multi-tasking” and “Switching”. It is often useful to pair young people who are newer to the group with those who have been in a lot of sessions.

- Each group is given 5 minutes to discuss how they can use their assigned skill in everyday life (including the pros and cons they will have thought about for homework)
- Each group presents their skill back to the whole group (maximum of one minute)

Last 5 minutes – Homework – Flexible Thinking Motto (Facilitator 2)

Sheet with 'Flexible Thinking' mottos are given to the group. They are asked to think of their own flexible thinking motto and bring it with them next week.

'How Many Squares?' Task



Flexible Thinking Moto Homework

CRT: N&S CAMHS ITP

Challenges can be stepping stones or stumbling blocks.... It's just a matter of how you view them.

Don't limit your challenges....challenge your limits!

Every truth has two sides; it is well to look at both, before we commit ourselves to either.
(Aesop)

Without risk there is no opportunity for gain.

Your current safe boundaries were once unknown frontiers.

"Tomorrow is another day."

**Variety is the
spice of life**

"Rules are made
to be broken."

'Nothing ventured,
nothing gained'

"Where one door
shuts, another
opens."

Be not afraid of growing
slowly, be afraid only of
standing still.

(Chinese proverb)

*Attitude might not help you
catch a fish....but it helps
when you don't.*

Better to bend than to
break.

(Indian proverb)

Chains of habit are too
light to be felt until they
are too heavy to be broken.

Alternative Exercises

Occasionally, young people can be in the group for more than 8 sessions. We have therefore created a set of 'back-up' exercises that we replace some of the standard exercises with. This is with the aim that the same skills are practiced but the group is still engaging for the young person. For ease of use, we have split these into the different thinking styles.

It is also worth noting that for many of the exercises already discussed, they can be made novel again by changing a small element. For example, using different geometric figures or illusions.

Bigger Picture Thinking/Finer Detail: Where's Wally?

Aim of Task:

This is a well-known childhood puzzle. The task aims for young people to practice focussing on relevant information amongst irrelevant stimulus.

Materials Required:

Per young person: pack of 4-5 'Where's Wally?'. These can be obtained by typing 'Where's Wally?' into any internet search engine.

Task Instructions:

- Young people are given a pack of 'Where's Wally?' puzzles
- Instructions are given to find Wally and for young people to put their hand up when they have found him.
- When all young people have found Wally in one picture, the group moves on to the next puzzle.

Questions for Task Reflection:

- How did everyone find it?
- Where you using bigger picture or finer detail thinking?
- Do you find this task easier than thinking about the bigger picture?
- What does that tell us about your brain?

Switching: One, Two, Three

Aim of Task:

Aim is to practice switching whilst enhancing communication skills. Also promotes alertness as this task requires concentration. To enhance communication skills, this gets young people thinking and alert as this task cannot be done successfully without full concentration.

Materials Required:

n/a

Task Instructions:

- Young people are put into pairs and given the following instructions:
- “Turn to face each other. Start counting from one to three between yourselves, taking it in turn to say each number. Do this over and over again as quickly as you can.”
- When young people have got the hang this, give the next instructions
- “Instead of saying the number "one", clap your hands - but still say "two" and "three"”
- Once this has been mastered, the next rule is introduced
- “Now bend your knees instead of saying “three”. Don’t forget you still need to clap your hands for “one”.”
- The final exercise should look and sound like this:
 - A: "One" (Claps hands)
 - B: "Two"
 - A: "Three" (Bends knees)
 - B: "One" (Claps hands)
 - A: "Two"
 - B: "Three" (Bends knees)

Questions for Task Reflection:

- How did everyone find it?
- Can you tell me how this task uses ‘switching’?
- Did anyone develop any useful strategies to keep the rules in mind?

Multi-tasking: Snap

Aim of Task:

To practice having a conversation whilst doing something else; a skill we all need in everyday life.

Materials Required:

Per pair: pack of cards

Task Instructions:

- Split young people into pairs and give each a pack of cards
- Instruct them to start playing the popular childhood game ‘snap’ where the aim is to collect all of your players cards.
- After a few minutes of this, ask them to continue playing whilst having a conversation about the last film they saw in the cinema.

Questions for Task Reflection:

- How did everyone find the task?
- When did it become harder?
- When do we need to be able to do this in everyday life? When is it most difficult?

Summary: Mind-Maps

Aim of Task:

As with all other summary tasks, the aim is to consolidate what has been learned in previous sessions and how they apply to everyday life.

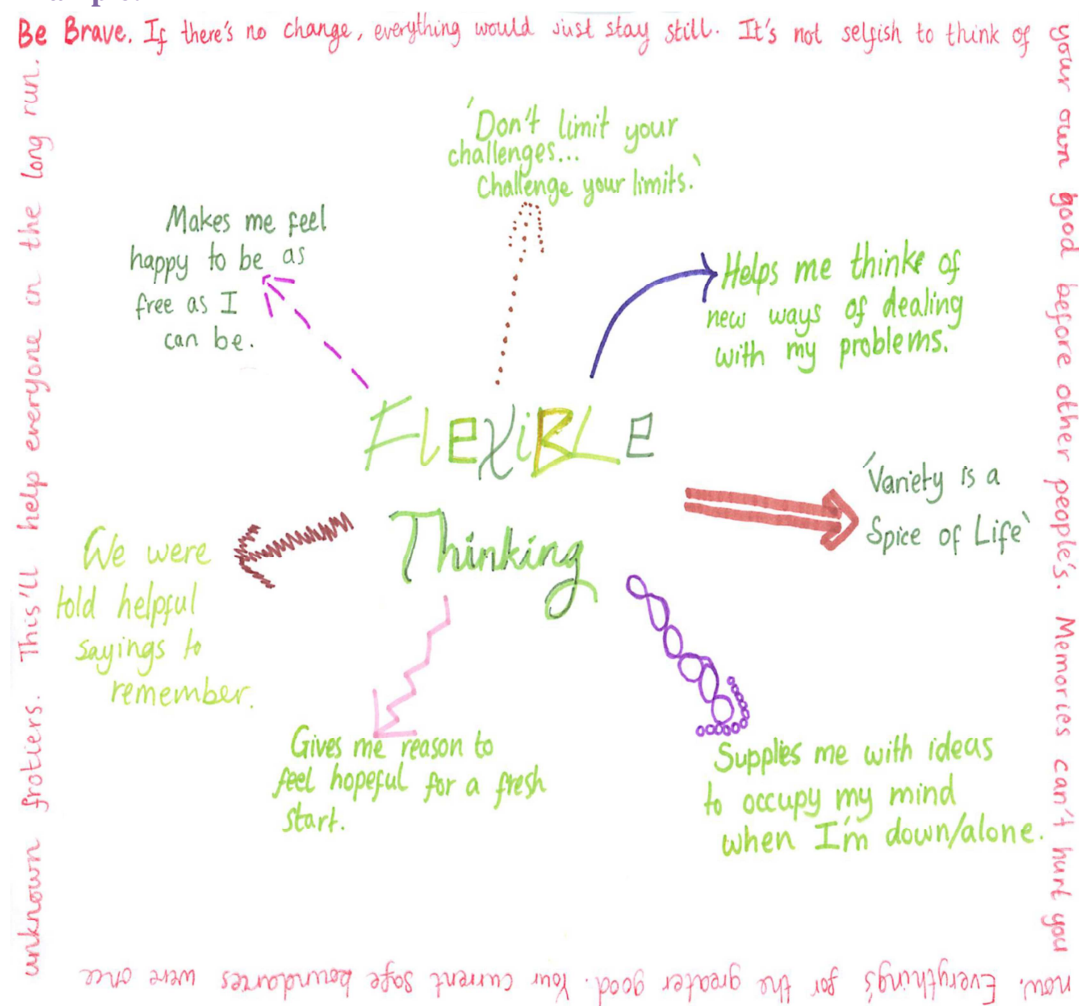
Materials Required:

Per young person: blank paper and pens

Task Instructions:

- Young people are given a blank piece of paper and a pen and asked to write 'Flexible Thinking' in the middle
- They are then asked to write words/phrases they relate to the flexibility group. This can include what they have learned about themselves.
- Young people are asked to share their mind maps with the rest of the group
- Reflective discussions are had about individual and/or group themes.

Example:



Feedback

To date, the Flexible Thinking group has been attended by 101 young people, who received treatment in ITP. ITP is a day patient programme for young people with anorexia nervosa or eating disorder not otherwise specified restrictive type, first set up in September 2010. It is for young people who require more intensive input than outpatient treatment and is an alternative to an inpatient admission.

Up to 8 young people per day attend ITP, which is run from Monday to Friday. If young people attend full time they receive 10 hours of education. Each young person also has two weekly family reviews and one weekly session of individual therapy. In addition, young people attend various therapeutic groups based on dialectical behaviour therapy (DBT), cognitive behavioural therapy (CBT), mindfulness, motivational interviewing (MI) mentalization based art psychotherapy and CRT principles.

The 'Flexible Thinking' group currently takes place at 13:30 on a Monday afternoon, straight after lunch.

Quantitative outcomes of the group are measured by the Cognitive Flexibility Scale (CFS) and two motivational rulers; importance to change and ability to change. An alternative measure, currently used in the adult team, is the deflex. Due to positive qualitative feedback from young people, the group is seen as an important part of the group programme. We continue to use the feedback to adapt the group.

We have recently started conducting 'exit interviews' with young people when they are discharged from ITP. To date, 4 out of 14 young people have named "Flexible Thinking" as one of the most helpful groups.

The following quotes are from young people regarding the group. Please note that names have been changed to protect anonymity.

Jess, aged 17:

"Flexible thinking is my favourite group. It helps in a way that's fun and not patronising. It doesn't tell you what to do but let's you figure things out for yourself. It helps you with rigidity that you didn't even know you had."

Dianne, aged 15:

"The flexible thinking group helped me to notice when I was being detail focussed and rigid in life. It made me think about why I have to do things in a certain way and then challenge this"

Samantha, aged 14:

"I liked that it wasn't too intense. I could think without being overwhelmed."

Freya, aged 17:

“I liked learning new skills but I would like the group to be more specific to eating and anorexia”

References:

Fitzpatrick, K., & Lock, J. (2014) Cognitive Remediation with Children and Adolescents (Chapter 8) in the book edited K.Tchanturia Cognitive Remediation for Eating and Weight Disorders. Routledge.

Lang, K., & Tchanturia, K. (2014). A systematic review of central coherence in children and adolescents with Anorexia Nervosa. *Journal of Child and Adolescent Behavior*

Lang, K., Stahl, D., Treasure, J., & Tchanturia, K. (2014). Set Shifting Abilities in Children and Adolescents with Anorexia Nervosa: An exploratory Systematic Review and Meta-Analysis. *International Journal of Eating Disorders*, 47, 394-399.

Pretorius, N., Dimmer, M., Power, E., Eisler, I., Simic, M., & Tchanturia, K. (2012). Evaluation of a Cognitive Remediation Therapy Group for Adolescents with Anorexia Nervosa: Pilot study. *European Eating Disorder Review*, 20, 321-325.

Pretorius, N., Espie, J., & Simic, M. (2014). Evaluation of a cognitive remediation therapy group for adolescents with anorexia nervosa in a day patient setting (Chapter 9) in the book edited K. Tchanturia Cognitive Remediation for Eating and Weight Disorders. Routledge.

Wood, L., Al-Khairulla, H., & Lask, B. (2011). Group cognitive remediation therapy for adolescents with anorexia nervosa. *Clinical Child Psychology and Psychiatry*, 16, 225-231.
Tchanturia, K., & Lock J. (2010). Cognitive Remediation Therapy (CRT) for Eating Disorders: Development, Refinement and Future Directions. In R.A.H. Adan and W.H. Kaye (eds.), *Behavioural Neurobiology of Eating Disorders, Current Topics in Behavioural Neurosciences* 6. Berlin: Springer-Verlag.

www.rasp.no –adaptation of CRT by Norwegian group